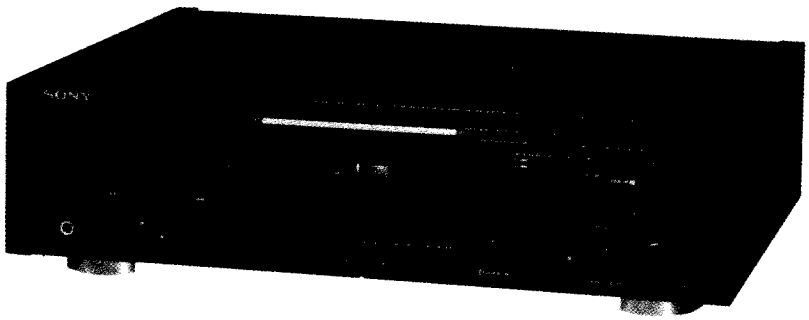
TC-K333ESR/K730ES

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
TC-K730ES
E Model
TC-K333ESR



This photo is TC-K333ESR

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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SPECIFICATIONS

Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	TCM-110D3

Recording system 4-track 2-channel stereo
Bias frequency 210 kHz
Heads
- Erase head × 1 (S & F head)
- Record head × 1 (LA head)
- Playback head × 1 (LA head)

Motors
- Capstan motor × 1 (direct drive linear torque BSL motor)
- Reel motor × 1 (DC motor)

Wow and flutter
- ±0.04% W.peak (IEC)
- 0.025% WRMS

Fast-forward and rewind time
- Approx. 90 sec (with C-60 cassette)

Frequency response
- Dolby NR OFF
- TYPE IV cassette (Sony METAL-ES)
  - 20 – 21,000 Hz ±3 dB (DIN)
  - 20 – 16,000 Hz ±3 dB (0 VU recording level)
  - 15 – 22,000 Hz
- TYPE II cassette (Sony UX-S)
  - 20 – 19,000 Hz ±3 dB (DIN)
  - 15 – 20,000 Hz
- TYPE I cassette (Sony HF-S)
  - 20 – 17,000 Hz ±3 dB (DIN)
  - 15 – 19,000 Hz

Signal-to-noise ratio (at peak level)

Cassette / Dolby NR system	TYPE I (Sony HF-S)	TYPE II (Sony UX-S)	TYPE IV (Sony METAL-ES)
C-TYPE ON	69 dB	72 dB	73 dB
B-TYPE ON	63 dB	66 dB	67 dB
OFF	56 dB	59 dB	60 dB

Total harmonic distortion
- 0.8% (with Sony METAL-ES cassette)

Inputs
- Line inputs (phono jacks)
  - Sensitivity 77.5 mV
  - Input impedance 50 k ohms

Outputs
- Line outputs (phono jacks)
  - Rated output level 0.44 V (−5 dB) at load impedance 47 k ohms
  - Minimum load impedance 10 k ohms
- Headphones output (stereo phone jack)
  - Output level continuously variable from 0 – 3 mW (at load impedance 32 ohms)

General

Power requirements
- US, Canadian model: 120V AC, 60Hz
- UK model: 240V AC, 50Hz (220V AC adjustable by authorized Sony personnel)
- AEP model: 220V AC, 50/60 Hz (240V AC adjustable by authorized Sony personnel)
- E model: 120, 220 or 240V AC adjustable, 50/60Hz

Power consumption
- 30 watts

Dimensions
- Approx. 470 × 125 × 350 mm (w/h/d) (18⅝ × 5 × 13¾ inches)

Weight
- Approx. 9.5 kg (22 lb)

Supplied accessories
- Connecting cord (2)
- Screws (8)

— continued on next page —

MICROFILM

STEREO CASSETTE DECK

SONY®

Peak program meters

Display range −40 to +8 dB
Frequency response
20 – 20,000 Hz ±1.5 dB
Attack time 1 ms
Recovery time 750 ms (from 0 to −20 dB)
Number of display segments
16 each for left and right channel

Design and specifications are subject to change without notice.

Note
This appliance conforms with EEC Directives 76/889 and 82/499 regarding interference suppression.

TABLE OF CONTENTS

Section *Title* *Page*

1. GENERAL
1-1. Location and Function of Controls 3

2. MECHANICAL ADJUSTMENTS 4

3. ELECTRICAL ADJUSTMENTS 7

4. DIAGRAMS
4-1. Semiconductor Lead Layouts 16
4-2. Printed Wiring Board —Audio Section— 17
4-3. Schematic Diagram —Audio Section— 21
4-4. Printed Wiring Board —System Control Section— .. 25
4-5. Schematic Diagram —System Control Section— 29

5. EXPLODED VIEWS
5-1. Case 33
5-2. Front Panel 34
5-3. Chassis 35
5-4. Mechanism Section (1) 36
5-5. Mechanism Section (2) 38

6. ELECTRICAL PARTS LIST 40

SAFETY-RELATED COMPONENT WARNING!!

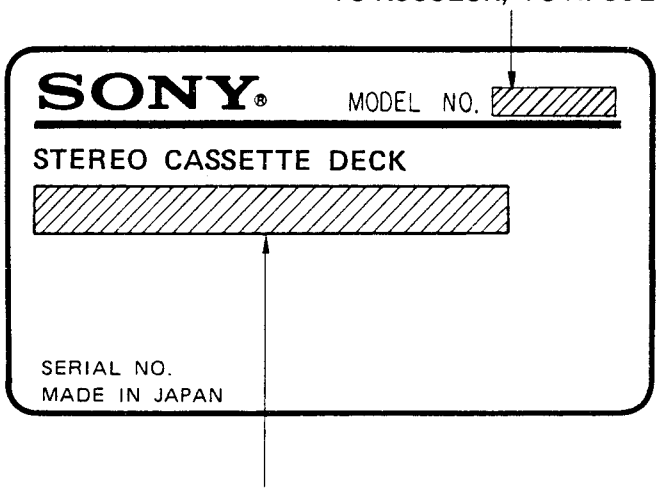
COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

OPERATING VOLTAGE

Before connecting the unit to the power source, check that the operating voltage of your unit is the same as the local power line voltage.
The USA and Canada model operates on 120 V AC.
The European model operates on 220 V AC (or 240 V AC adjustable by authorized Sony personnel).
The United Kingdom model operates on 240 V AC (or 220 V AC adjustable by authorized Sony personnel).
The model for other countries operates on 120, 220 or 240 V AC. The voltage selector is located on the rear panel. If the selector must be reset, **disconnect the AC power cord** and set the selector to the appropriate voltage.

MODEL IDENTIFICATION
– Specification Label –

TC-K333ESR, TC-K730ES



AEP Model: AC: 220 V~50/60 Hz
UK Model: AC: 240 V~50/60 Hz
E Model: AC: 120/220/240 V~50/60 Hz 30 W
US Model: AC: 120 V 60 Hz 30 W
Canadian Model: AC: 120 V 60 Hz 30 W

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

1-1. LOCATION AND FUNCTION OF CONTROLS

Cassette holder

⏏ (Eject) button

Remote sensor*

COUNTER MEMORY button
Press to enter a reference point for the memory play and memory stop function. The indication "MEMORY" appears below the tape counter. Press the button once more to deactivate the function.

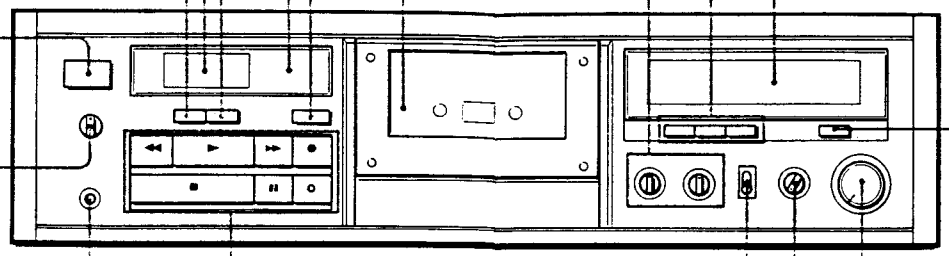
Linear tape counter
Indicates the approximate tape running time in minutes and seconds.

COUNTER RESET button
Press to reset the counter to 0.00.

POWER switch
When the unit is turned on, the ▮▮ indicator blinks and the other tape transport buttons are inactive for a few seconds, until all internal circuits have stabilized.

TIMER switch
Permits automatic recording or playback start at a predetermined time with an optional timer.

HEADPHONES jack
(Stereo phone jack)



CALIBRATION controls

DOLBY NR switches
Press to select the Dolby B-type or C-type NR system. The selected noise reduction type is shown above the peak program meters.

Peak program meters
Show the input level (recording level) when the MONITOR switch is set to SOURCE, and the playback level (recorded level) when the switch is set to TAPE. The tape type is also shown on the meter panel.

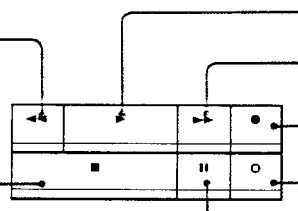
MPX FILTER switch
This switch is active only when Dolby B or C noise reduction is selected. Normally, the switch should be set to OFF.
The MPX filter serves to cut off any remnants of the 19-kHz stereo carrier and 38-kHz subcarrier signals, which may otherwise interfere with proper operation of the Dolby noise reduction when recording FM broadcasts. Almost all modern high-performance tuners incorporate filters which adequately remove such signal components from the output. If a tuner with insufficient filtering is used (sound quality degradation is noted when recording with Dolby NR), set the MPX FILTER switch to ON. The indication "FILTER" appears on the meter panel.

REC LEVEL (recording level) controls

PHONE LEVEL control

MONITOR switch
Set this switch to SOURCE to listen to the input signal and to TAPE to listen to the playback signal from the tape or to monitor the recorded sound during recording. For recording level adjustment, set the switch to SOURCE.

Tape operation buttons



◀◀ (Rewind) button
Press to rewind the tape. When pressed together with ▶, playback automatically starts after rewinding.

▶ (Play) button

▶▶ (Fast-forward) button

● (Record) button

■ (Stop) button

○ (Record muting) button
Serves to insert blank spaces between selections during recording. When the button is pressed, a blank of four seconds is created and the tape automatically stops at pause mode.

▮▮ (Pause) button
Press to temporarily stop the tape during recording or playback. Press once more to release the pause mode.

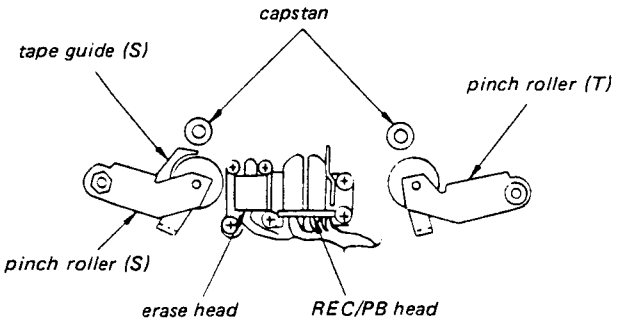
SECTION 2
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers

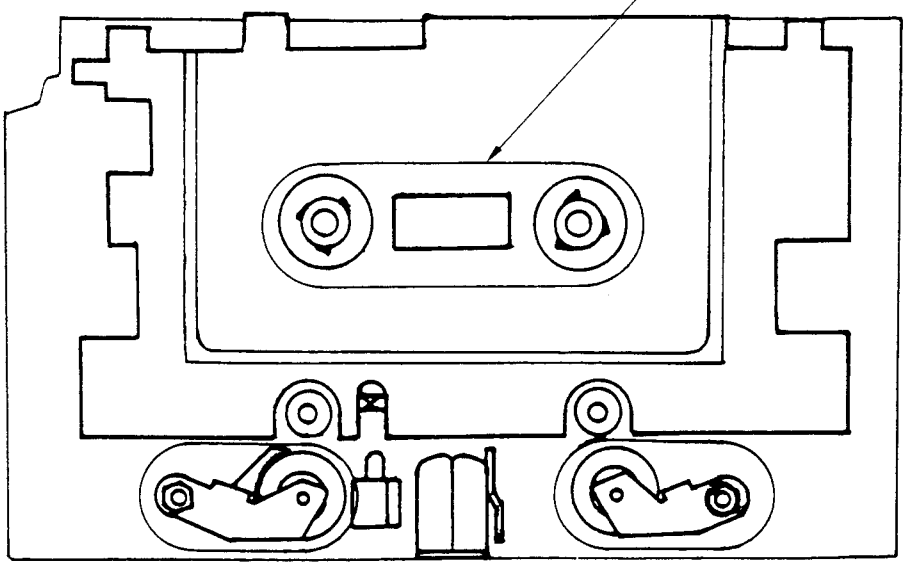
2. Demagnetize the record/playback and erase head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.



FF, REW Torque Check

1. Insert the torque meter CQ201B.
2. Check FF torque when changing the mode STOP → FF.
3. Check REW torque when changing the mode STOP → REW.

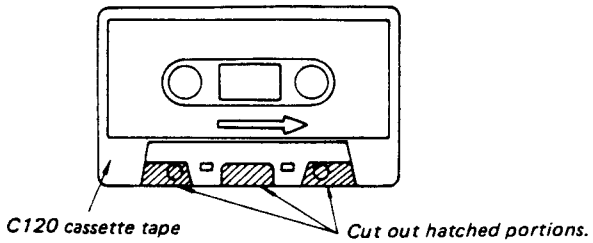
Torque	Torque meter	Reading
FF, REW	CQ201B	60 to 130 g·cm (0.84 to 1.82 oz·inch)



Head Height Adjustment

Insert a mirror cassette or adjustment cassette and adjust screws Ⓐ – Ⓒ so that the tape enters the tape guide of the record/playback head smoothly when pushing the head base out by hand.

1. Make an adjustment cassette as shown below or use a mirror cassette.



2. Insert the mirror cassette (or adjustment cassette) into the set. In FWD mode, the tape should not curl at the portions shown by arrows (tape guides) in Fig. a.
   If it does, adjust the height of tape guide of supply pinch roller.

Adjustment locations:

adjustment screw of tape curl in Fig. b
(Be careful not to turn the screw more than 1/2 turn.)

3. Back tension: 0
   Make sure that there is no tape twist at portions ⓐ — ⓓ .
   1. When the tape twists upwards:
      Turn adjustment screws Ⓑ , Ⓒ of the record/playback head and recline the head as shown in Fig. c.
   2. When the tape twists downwards:
      Turn adjustment screws Ⓑ , Ⓒ and recline the head as shown in Fig. d.
4. Measure the height of erase head.
   If it is out of the range indicated in Fig. e, follow the procedures below.
   1. When the height of erase head is out of the range:
      Adjust the height by screws Ⓓ , Ⓔ , Ⓕ of the erase head.
   2. After adjusting the height of the erase head, make sure that the head is not inclined. If necessary, loosen or tighten adjustment screw Ⓓ .

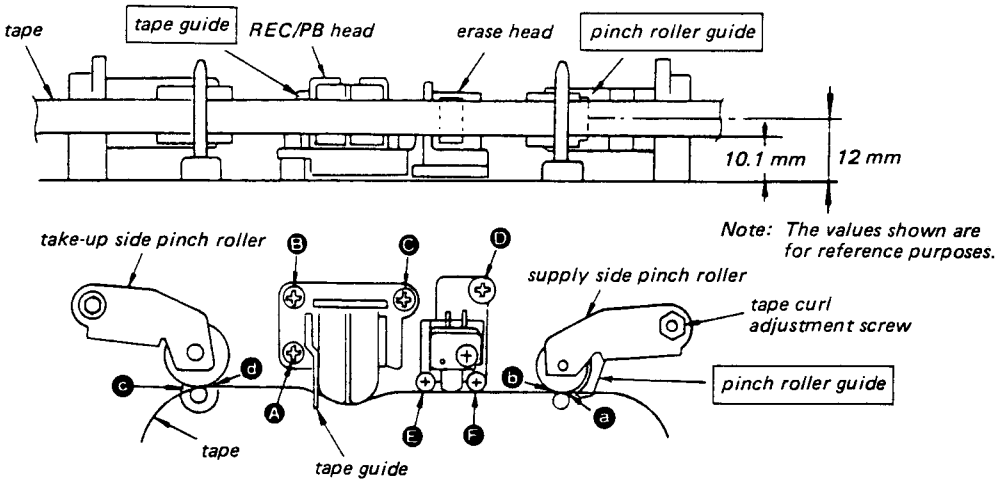


Fig. a

Fig. b

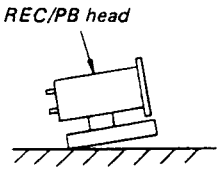


Fig. c

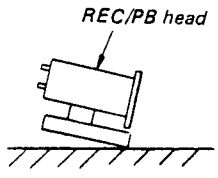


Fig. d

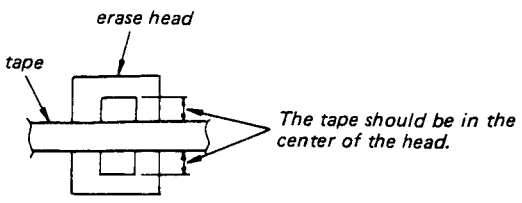
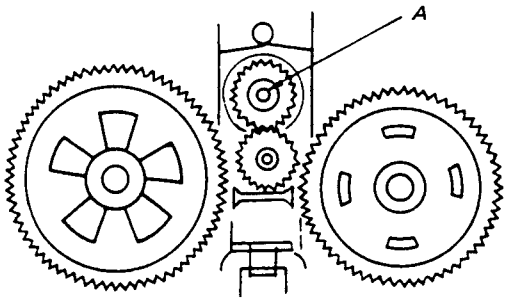


Fig. e

Forward Torque/Back Tension Torque Adjustment

1. Insert the taken-up tape, and set the Forward mode. Adjust RV701 so that the A bigins to rotate.



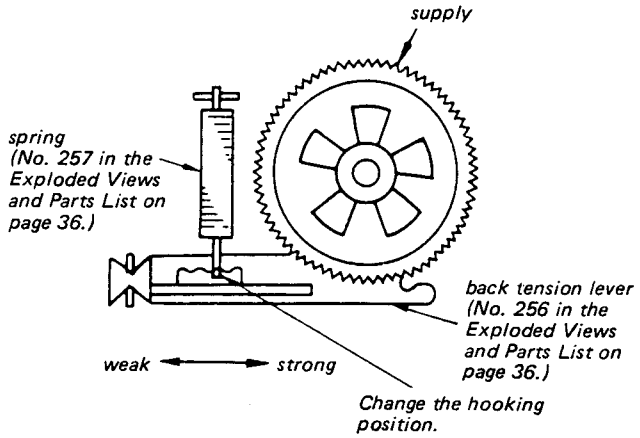
2. Insert the torque meter CQ102C, make sure that the forward torque and the back tension torque meet the specifications.

Specifications

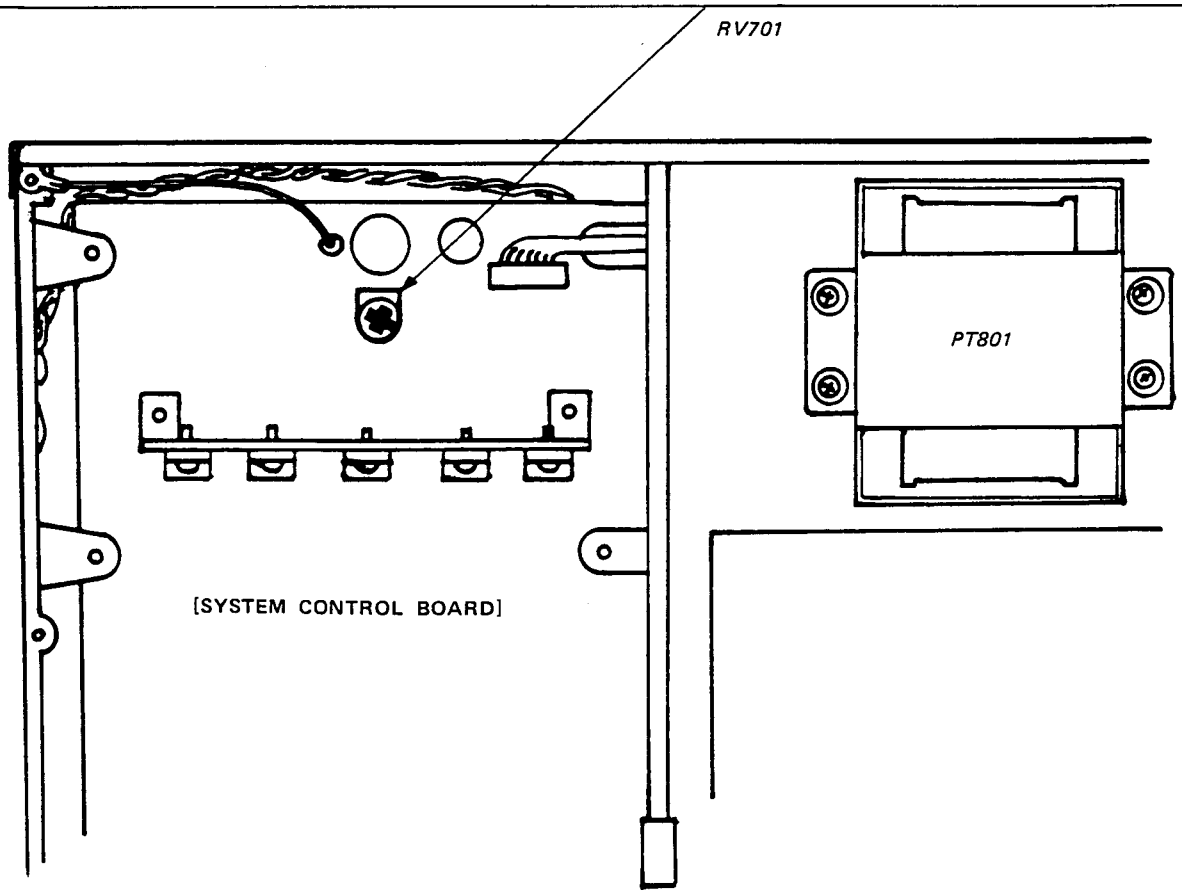
Forward torque: 30 to 60 g·cm
(0.42 to 0.84 oz·inch)

Forward back tension torque:
7 to 10.5 g·cm
(0.1 to 0.15 oz·inch)

3. When the forward back tension torque doesn't meet the specifications, adjust by changing the hooking position of the spring as shown below.


supply
spring
(No. 257 in the Exploded Views and Parts List on page 36.)
back tension lever
(No. 256 in the Exploded Views and Parts List on page 36.)
weak
strong
Change the hooking position.

Adjustment Location: system control board



SECTION 3
ELECTRICAL ADJUSTMENTS

Note: The adjustment should be performed in the order given in this service manual.
The adjustments should be performed for both L-CH and R-CH.

- Simultaneous REC/PB Mode:
  Input the signals to LINE IN terminal and set to REC mode. Set the monitor switch to TAPE, and monitor the recorded signal from LINE OUT terminal.
- Switch Position:
  DOLBY NR . . . . . OFF
  NPX FILTER . . . . . OFF
  TIMER . . . . . OFF
- Standard Record:
  Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Standard Input Level

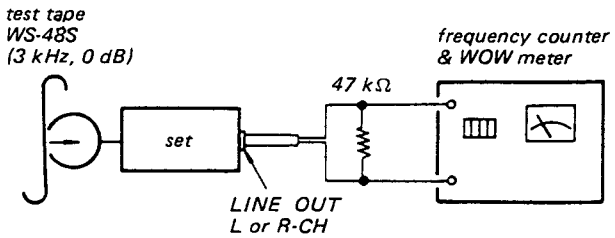
Input Terminal	LINE IN
source impedance	10 kΩ
input level	0.25 V (−10 dB)

Standard Output Level

Output Terminal	LINE OUT
load impedance	47 kΩ
output level	0.44 V (−5 dB)

Tape Speed/WOW Check

Procedure:



1. Measure the output frequency and the WOW value while playing back the tape top of the test tape.
2. Turn over the test tape, measure the output frequency and the WOW value, and check the difference against the values of the step 1.

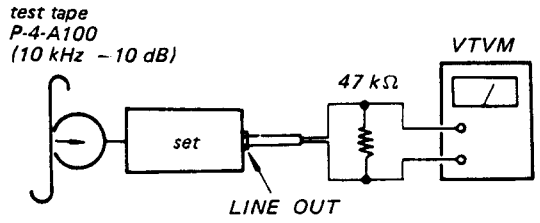
Specification:

TAPE SPEED deviation:	within 2,990 to 3,010 Hz
TAPE SPEED fluctuating width:	within 2,990 to 3,010 Hz
WOW (WRMS):	0.037% below

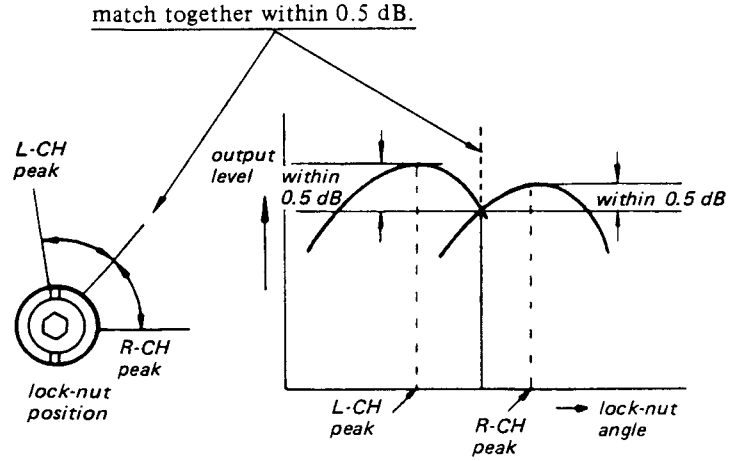
Provisional Playback Head Azimuth Adjustment

Procedure:

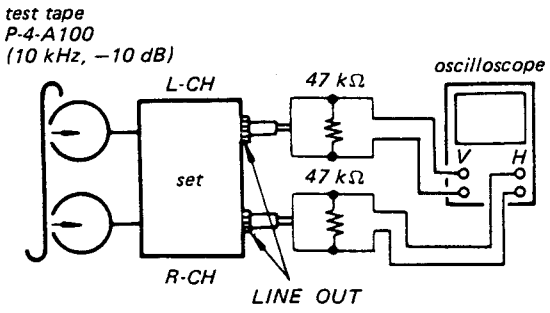
1. Mode: playback



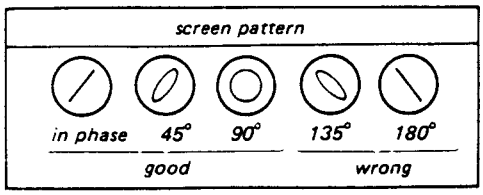
2. Turn the adjustment lock-nut for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 0.5 dB.



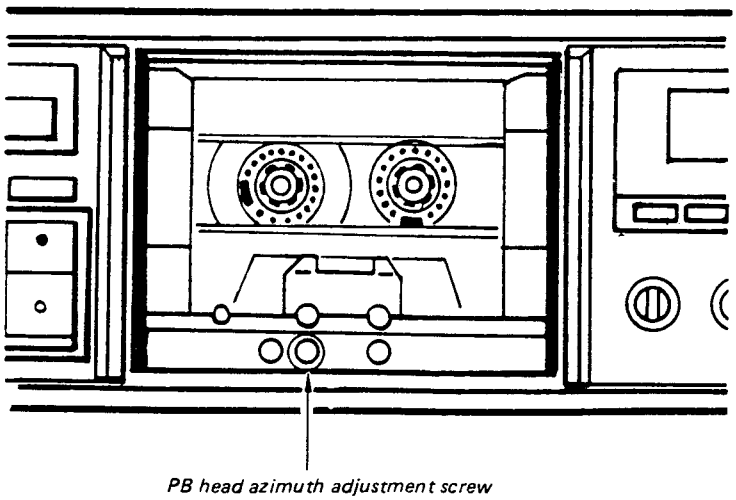
3. Phase check.
   Mode: playback



4. Make sure the phase difference is in between in-phase to 90°.



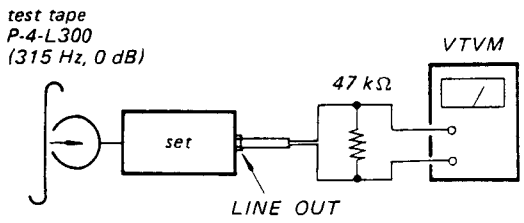
Adjustment Location:



Playback Level Adjustment

Procedure:

Mode: playback



Adjust RV101 (L-CH) and RV201 (R-CH) to obtain the specified LINE OUT level.

Specification:

LINE OUT level: 0.41 to 0.46 V
(−5.5 to −4.5 dB)

Level difference between channels:
less than 0.5 dB

Check that the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

Adjustment Location: PB board

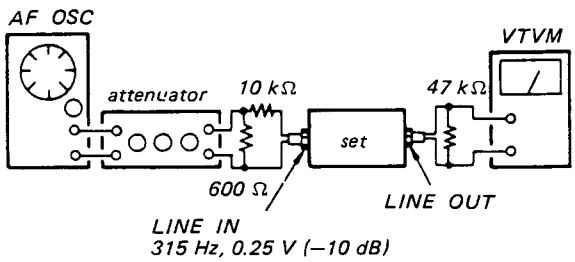
Meter Level Adjustment

Setting:

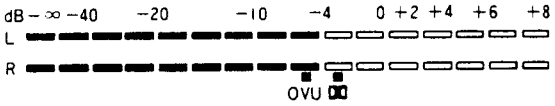
MONITOR switch: SOURCE

Procedure:

1. Stop mode.

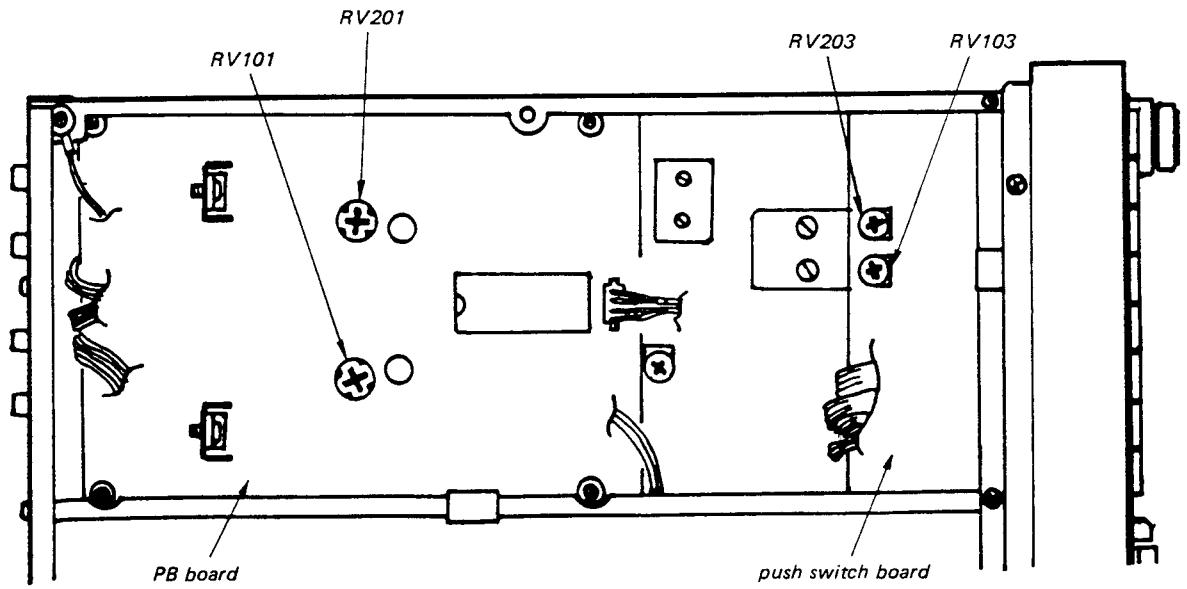


2. Adjust the recording level so that the LINE OUT level is 0.44 V (−5 dB). In this time adjust RV103 (L-CH) and RV203 (R-CH) so that the 0 VU (−4 dB) segments of the meter light-up.



3. Adjust the recording level so that the LINE OUT level is 1.9 V (8 dB). In this time, make sure that all the segments of the meter light-up.

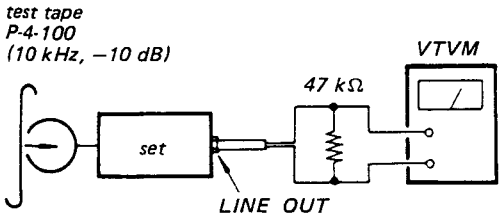
Adjustment Location: push switch board



PB DOLBY NR Check

Procedure:

1. Mode: playback



2. Make sure that the output levels are different in DOLBY NR OFF, B, and C.

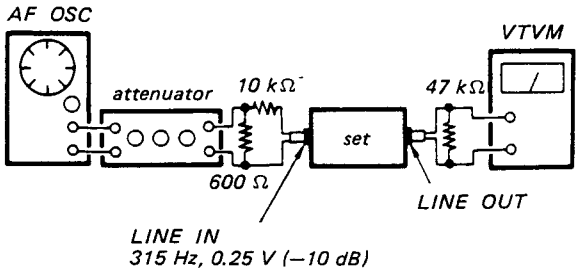
Specification:

OFF ↔ B	level difference	−0.5 to −2.5 dB
B ↔ C	level difference	−0.5 to −2.5 dB

MPX FILTER Check

Procedure:

1. Mode: stop



2. Apply 315 Hz, 0.25 V (−10 dB) signal and adjust REC LEVEL control so that the LINE OUT level is 0.44 V (−5 dB).
3. Apply 19 kHz, 0.25 V (−10 dB) signal and measure the LINE OUT level.

Specification:

DOLBY NR: OFF, FILTER: ON/OFF
0.49 to 0.39 V (−4 to −6 dB)
DOLBY NR: B, C, FILTER: ON
0.025 V (−30 dB) or less

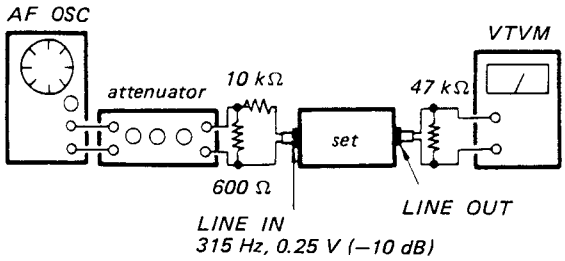
Provisional Record Head Azimuth Adjustment

Setting:

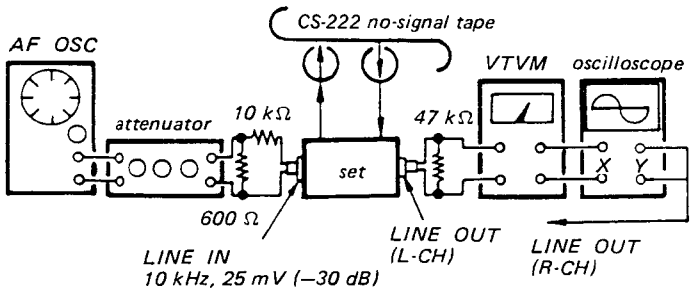
BIAS CAL control: center click

Turn RV506 (L-CH, R-CH) fully clockwise and counterclockwise 1/2 to 1 time. (See Record Bias Adjustment on page 13.)

Procedure:

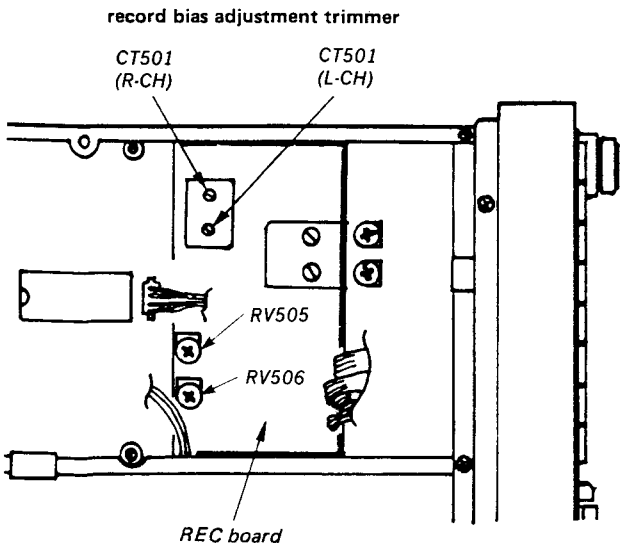


1. Apply 315 Hz, 0.25 V (−10 dB) signal and adjust REC LEVEL control so taht the LINE OUT level is 0.44 V (−5 dB).

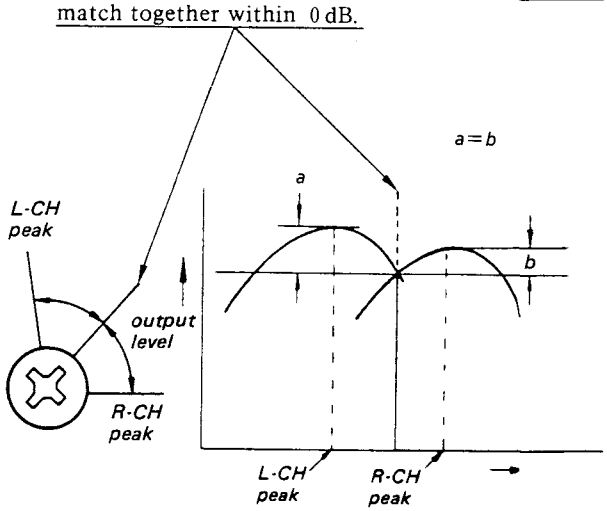


2. Apply 10 kHz, 25 mV (−30 dB) signal, set to the simultaneous REC/PB mode.

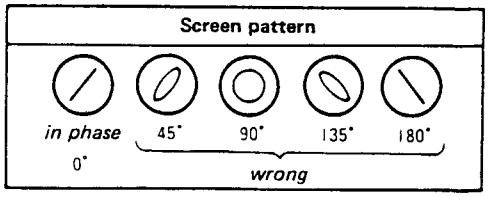
Adjustment Location: REC board



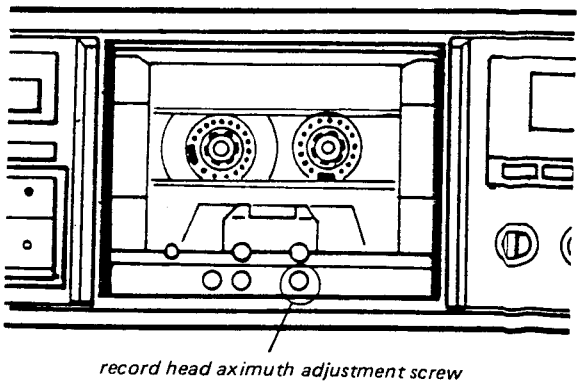
3. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 0 dB.



4. Simultaneously, adjust the azimuth screw so that the phase difference between L-CH and R-CH is 0°.



Adjustment Location: head



Bias Osc Frequency Adjustment

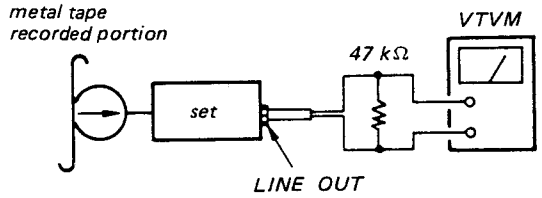
Setting:

Metal Tape (TYPE IV)
LINE IN: no signal
REC LEVEL knob: standard record position
(See page 7.)

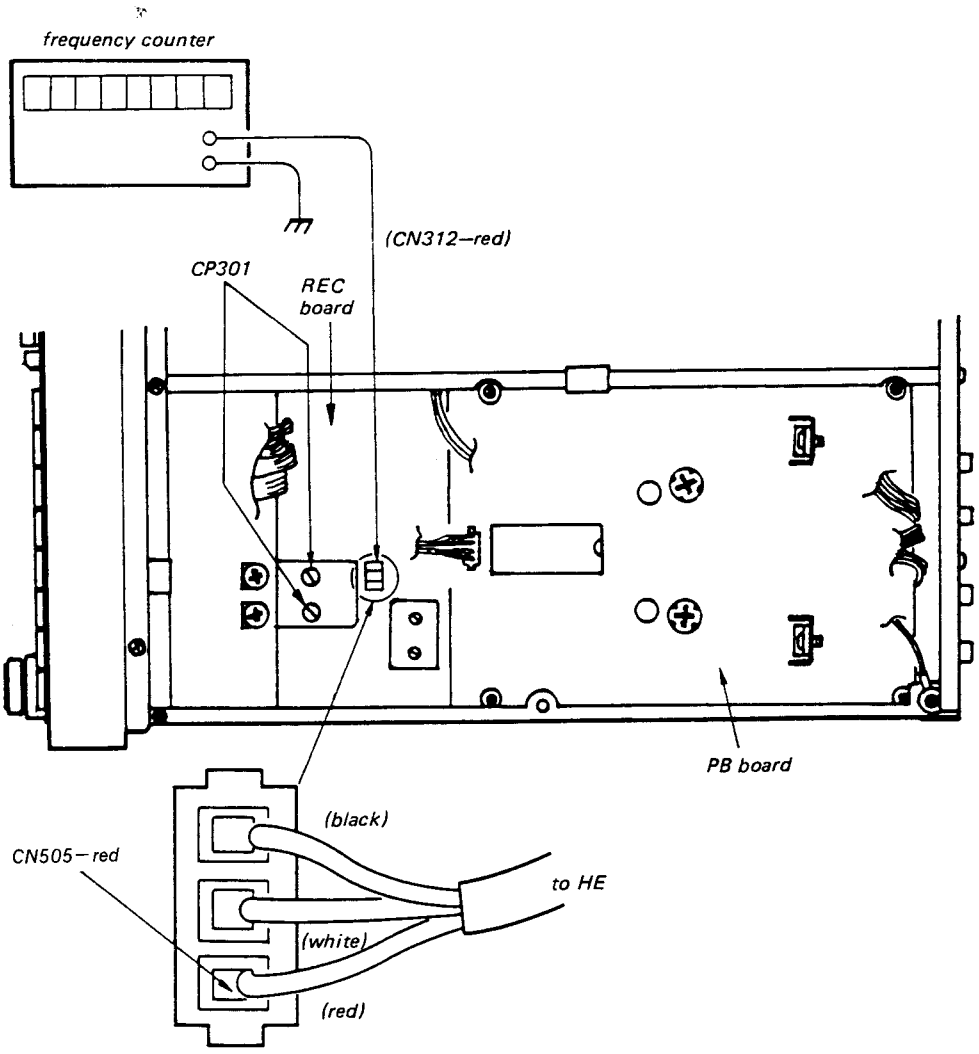
- **Bias Osc Frequency**

Procedure:

1. Mode: record



2. Connect the frequency counter lead, to the erase head connecting terminal. Adjust CP501 so that the reading on the frequency counter is 105 kHz (within 104 to 106 kHz).



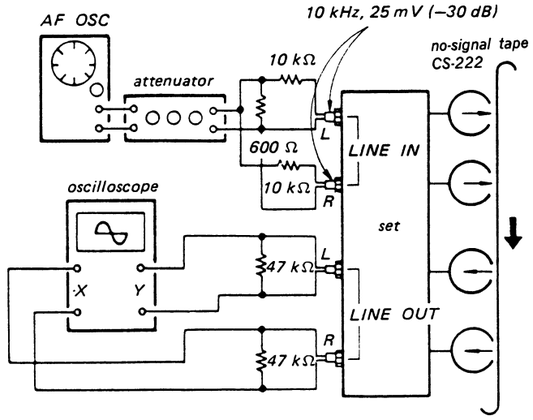
Record Head Azimuth Adjustment

Setting:

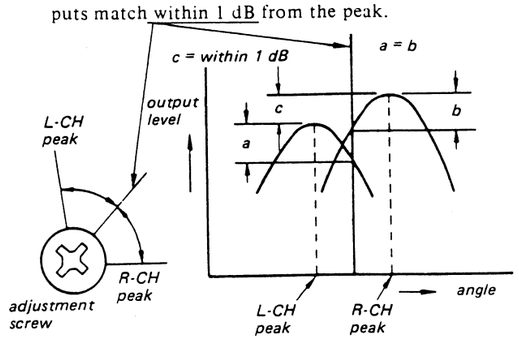
REC LEVEL knob: standard record position
(See page 7.)

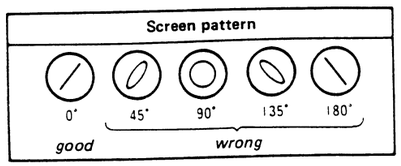
Procedure:

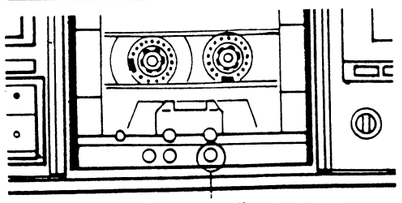
1. Mode: simultaneous REC/PB



2. Adjust the record head azimuth adjustment screw so that the phase difference is 0° (the difference between L-CH and R-CH is within 5°), and outputs match within 1 dB from the peak.







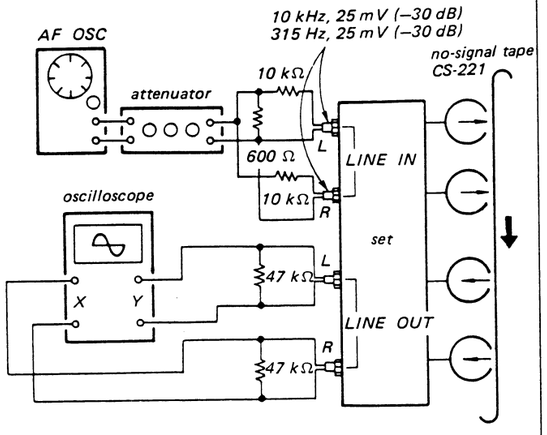
Record Bias Adjustment

Setting:

REC LEVEL knob: standard record position
(See page 7.)

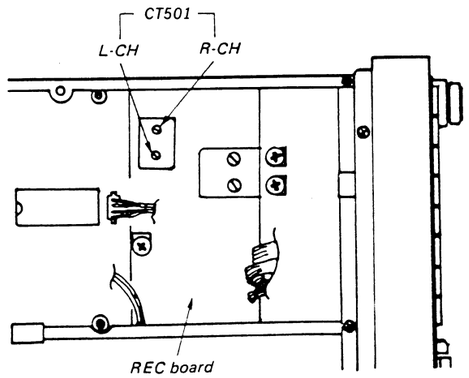
Procedure:

1. Mode: simultaneous REC/PB

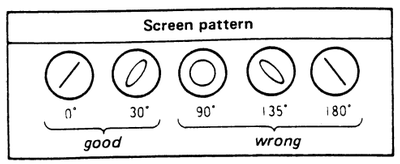


2. Adjust CT501 (L-CH, R-CH) to 0 dB±0.5 dB playback level at 315 Hz and 10 kHz.

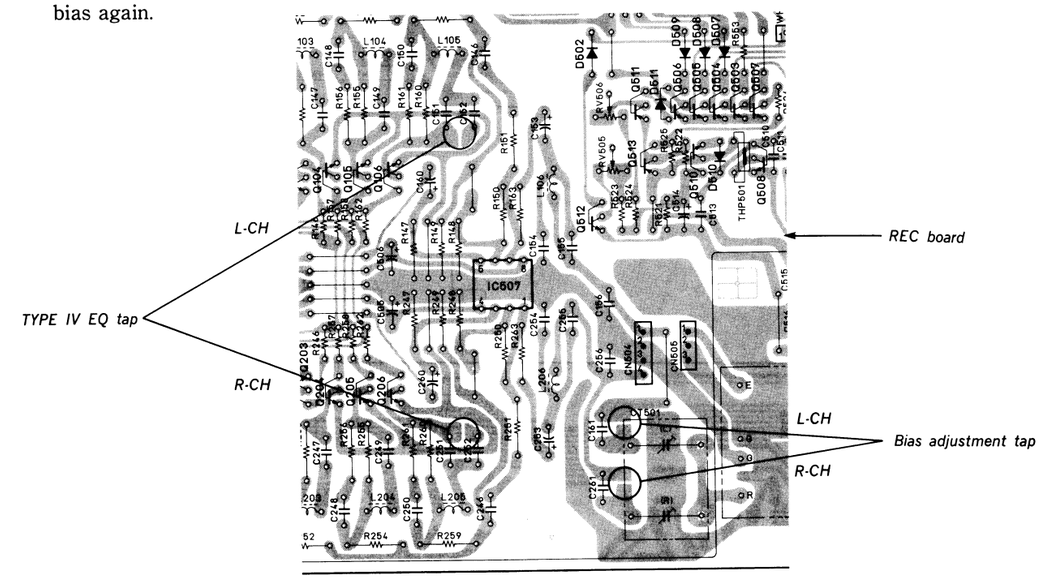
Adjustment Location: REC board



3. After the adjustment, confirm the phase at 10 kHz is 0° (the difference between L-CH and R-CH is within 30°). Repeat the record head azimuth adjustment and the record bias adjustment satisfy the specification again.



Note : For an adjusting trimmer, finish the adjustment within one rotation from the tightly closed state.
If more than one rotation is necessary, remove the bias adjusting tap, and adjust the bias again.



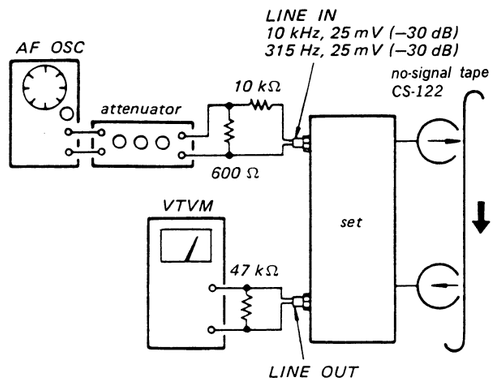
Normal Bias Adjustment

Setting:

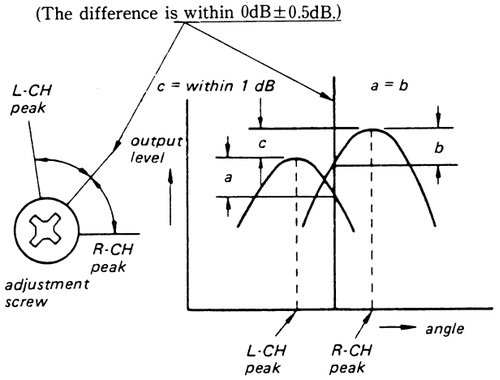
REC LEVEL knob: standard record position
(See page 7.)

Procedure:

1. Mode: simultaneous REC/PB



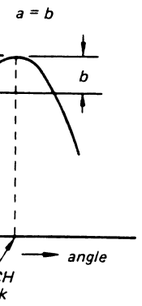
2. Adjust RV505 to obtain the same playback level at 315Hz and 10kHz.
(The difference is within 0dB±0.5dB.)



— REC board

— Bias adjustment tap

ck level at 315Hz and



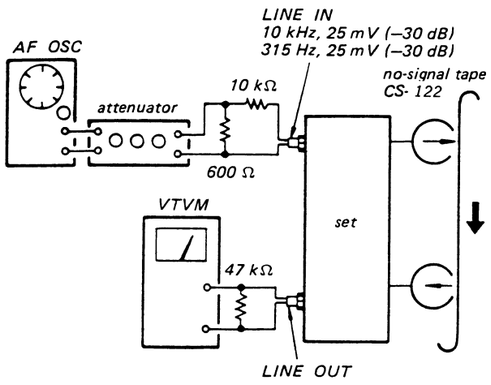
METAL Bias Adjustment

Setting :

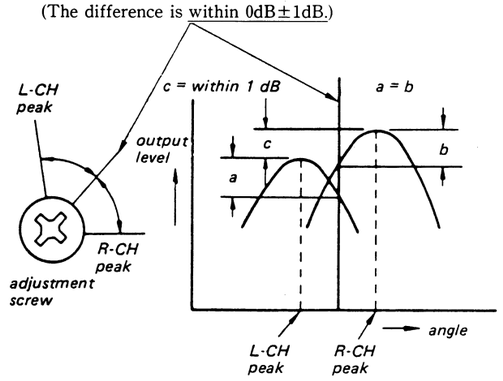
REC LEVEL Knob : Standard record position
(See page 7.)

Procedure :

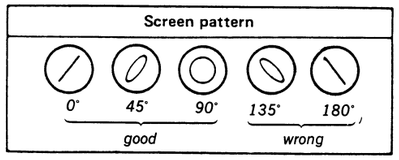
1. Mode : simultaneous REC/PB



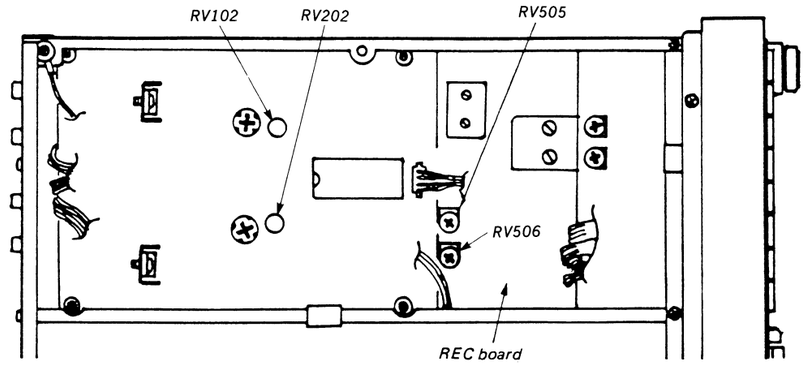
2. Adjust RV506 and TYPE IV EQ tap to obtain the same playback level at 315kHz and 10kHz.
(The difference is within 0dB±1dB.)



3. After adjustment, check the phase with 10kHz and make re-adjustment at 0° (L-CH, R-CH phase difference : Within0±90°), and repeat the adjustment of bias and recording head vertical adjustment fully.



Adjustment Location: REC board



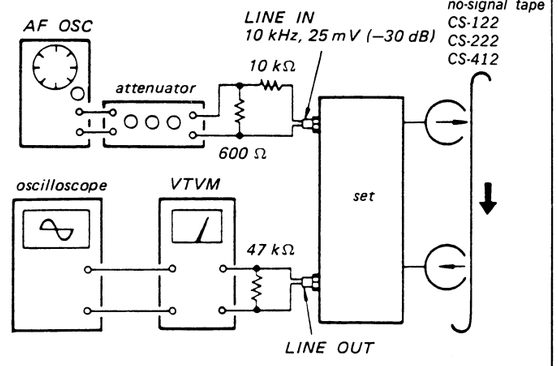
Record Level Adjustment

Setting:

REC LEVEL knob: standard record position
(See page 7.)

Procedure:

1. Mode: simultaneous REC/PB



2. Adjust RV102 (L-CH) and RV202 (R-CH) to satisfy the specification.

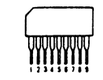
Specification:

Tape CS-222	within 0.41 to 0.46 V (Within −5.5 to −4.5 dB)
Tape CS-122, 412	within 0.39 to 0.49 V (within −6 to −4 dB)

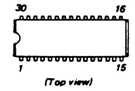
SECTION 4
DIAGRAMS

4-1. SEMICONDUCTOR LEAD LAYOUTS

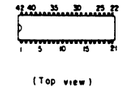
BA6138



CX20174

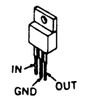


CX20188
MB88517B-228N

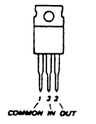


MSL9359RS
MSL9512RS

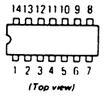
M5F78M10



M5F79M10

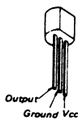


M4069UBP

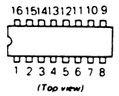


M5220P
M5238P
NJM4560D
μPC4558C

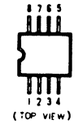
NJM78L12A



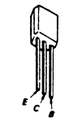
TC9142P



μPC4558G-T1

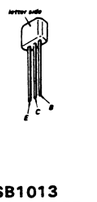


DTA124ES
DTA144ES
DTC114ES
DTC124ES
DTC144ES



PH102-K

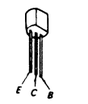
HZS6B1L
HZS6C3L
HZS7B2L
HZS9B2L
HZS11C3L
HZS241L
RD5.1JS-B1



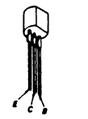
S4VB60

2SA1175
2SC2785
2SD1020

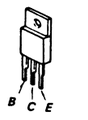
2SB1013
2SC1815GR
2SC3623A-L
2SD1387
2SD1388



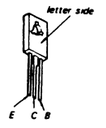
2SB1014



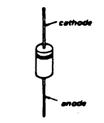
2SD1585-L



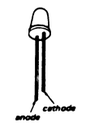
2SD809-K



US1060M
1SS132
10E2N



BG5628S
BR5628S
EAA5638S



4-2. PRINTED WIRING BOARD—AUDIO SECTION—

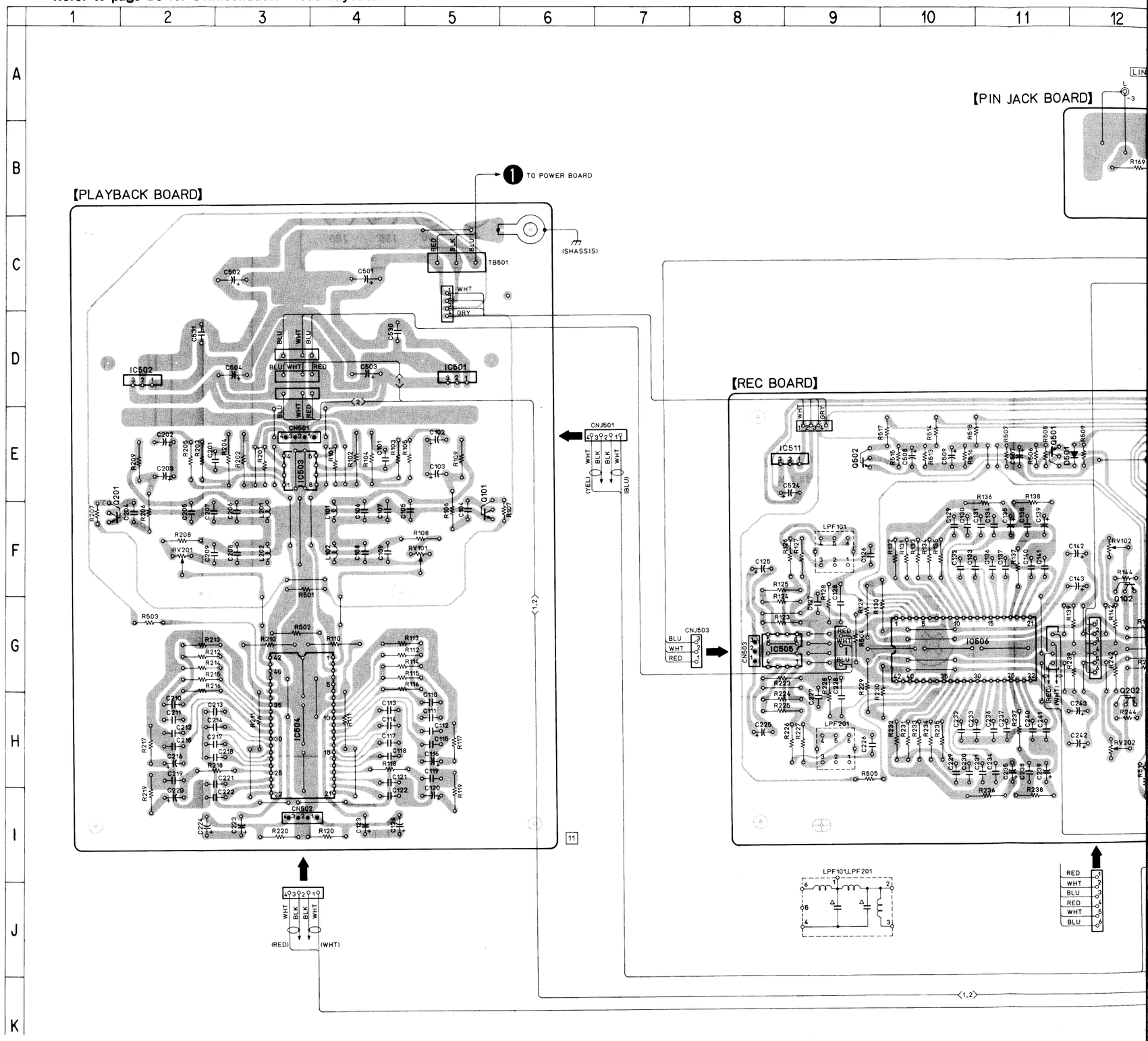
- Refer to page 16 for Semicondactor Lead Layouts.

- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
IC501	D-5	Q509	F-16
IC502	D-2	Q510	F-15
IC503	E-3	Q511	F-15
IC504	H-3	Q512	G-15
IC505	G-8	Q513	F-15
IC506	G-10	Q514	E-18
IC507	G-14	Q515	G-25
IC508	H-18	Q516	C-22
IC509	F-18	Q517	C-22
IC510	H-23	Q518	C-23
IC511	E-8	Q519	C-22
IC512	C-25	Q520	C-22
		Q521	C-23
Q101	F-5	Q1001	I-5
Q102	G-12	Q1002	J-4
Q103	F-13		
Q104	F-13	D501	E-11
Q105	F-13	D502	F-15
		D503	E-13
Q106	F-13	D504	E-13
Q201	F-1	D505	E-15
Q202	H-12		
Q203	H-13	D506	E-15
Q204	H-13	D507	E-16
		D508	E-15
Q205	H-13	D509	F-15
Q206	H-13	D510	F-16
Q501	E-11		
Q502	E-9	D511	F-15
Q503	F-16	D512	F-17
		D513	H-26
Q504	F-16	D514	B-22
Q505	F-15	D515	B-22
Q506	F-15	D516	C-24
Q507	F-16		
Q508	F-16		

Note:

- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.



10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

【PIN JACK BOARD】

LINE OUT — J501 — LINE IN

【REC VOLUME BOARD】

RV501 REC LEVEL

【METER BOARD】

IC512

【PUSH SW BOARD】

S501 MONITOR TAPE ← SOURCE

RV504 BIAS

CALIBRATION

RV502 REC LEVEL

RV503 PHONE LEVEL

【HEADPHONE JACK BOARD】

J502 HEADPHONES

S502-4 MPX FILTER ON / OFF

S502-3 / S502-2 / S502-1 DOLBY NR C / B / OFF

2 TO SYSCON BOARD (CN708)

3 TO SYSCON BOARD (CN707)

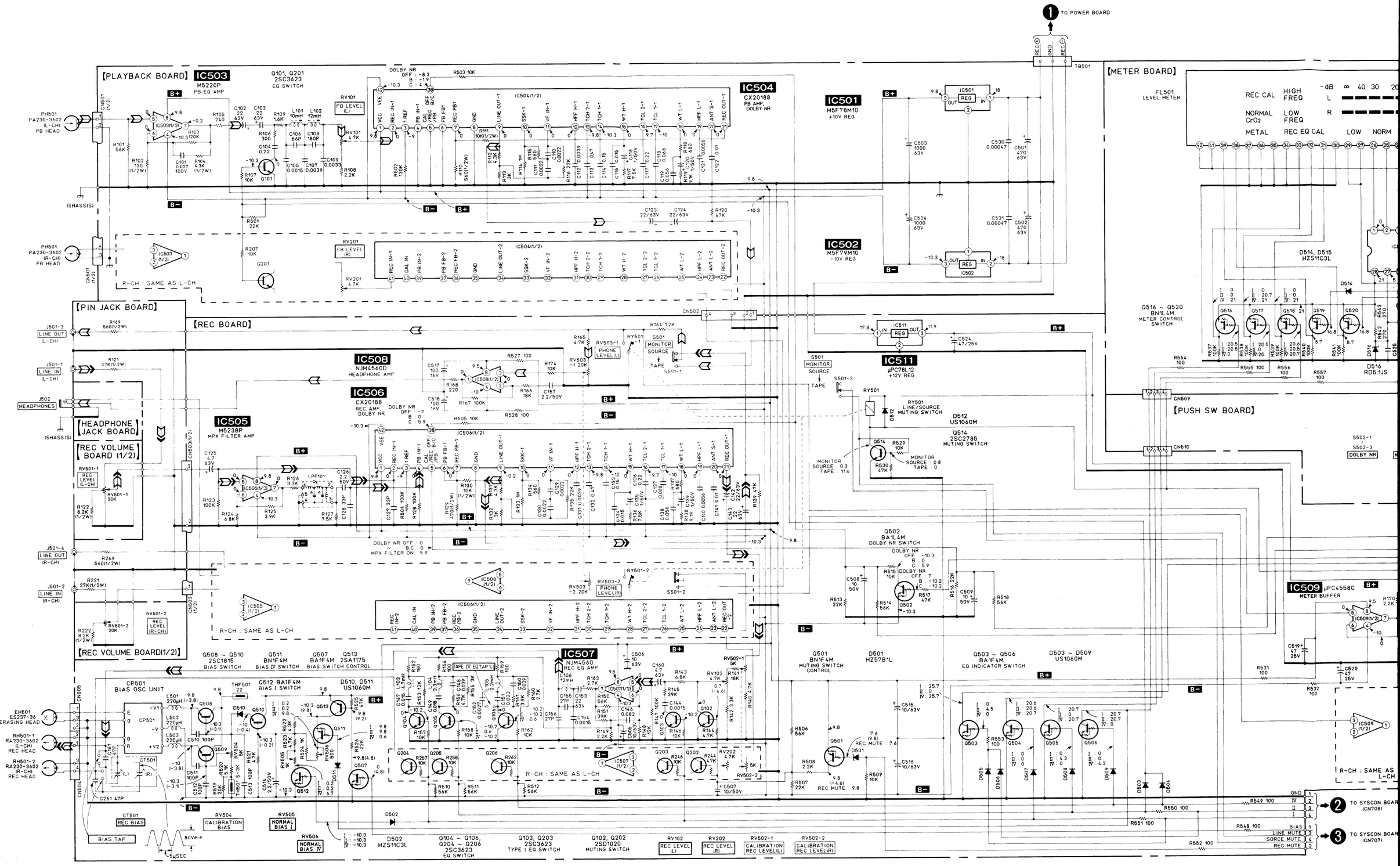
4 TO POWER BOARD

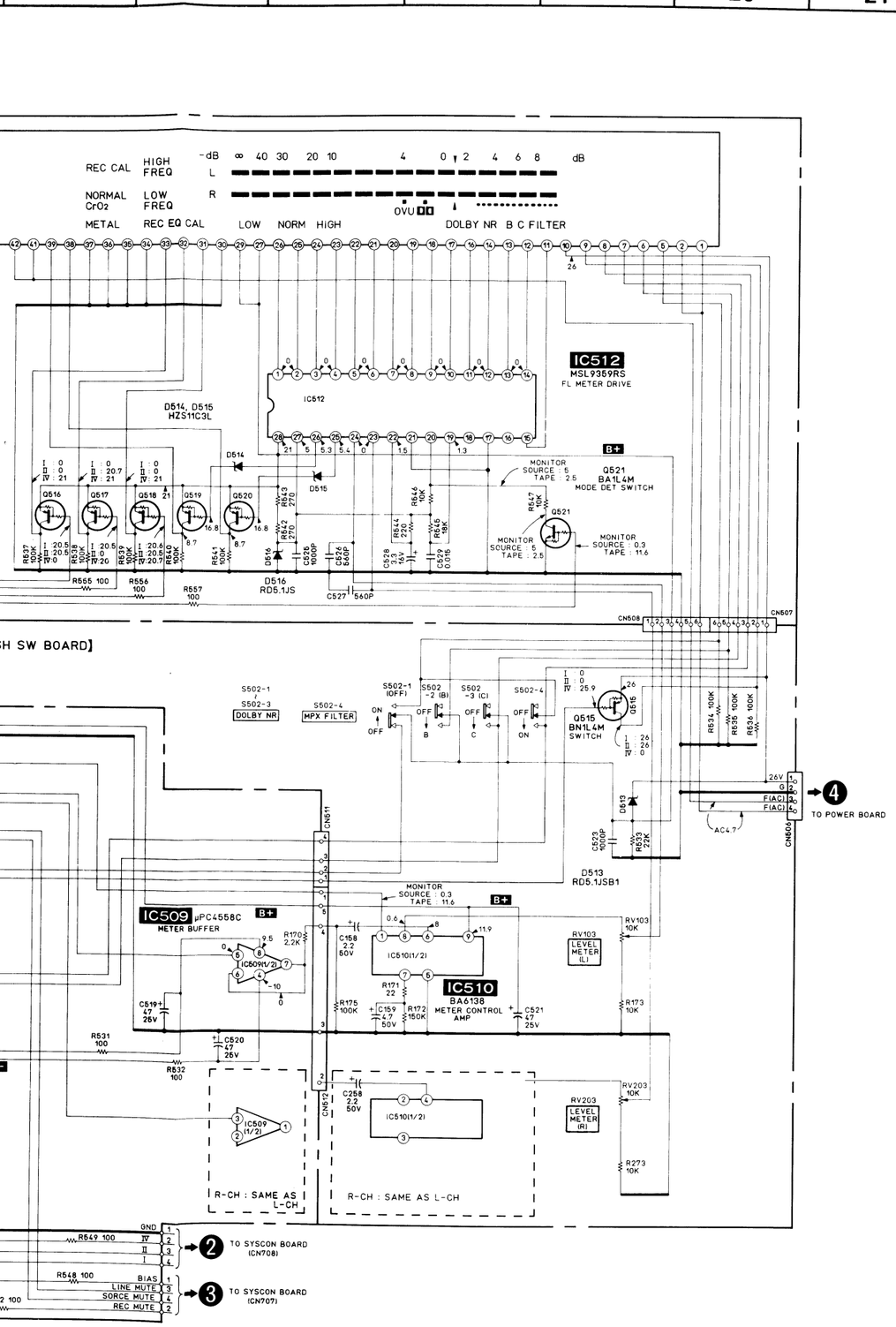
RH501 RECORDING HEAD

PH501 PB HEAD

EH501 ERASING HEAD

4-3. SCHEMATIC DIAGRAM—AUDIO SECTION—

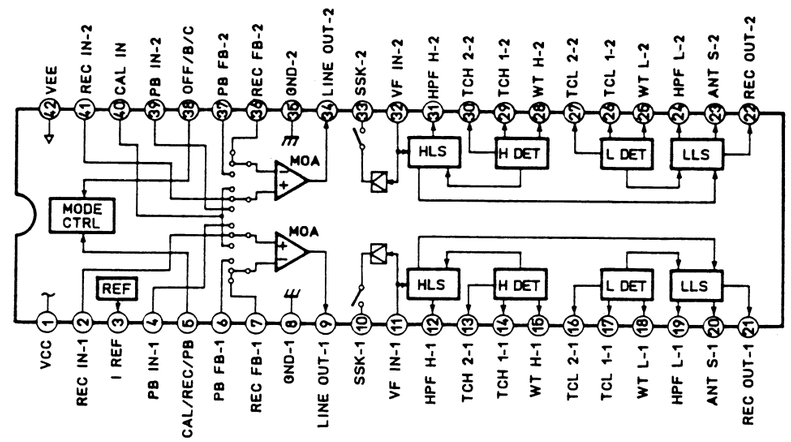




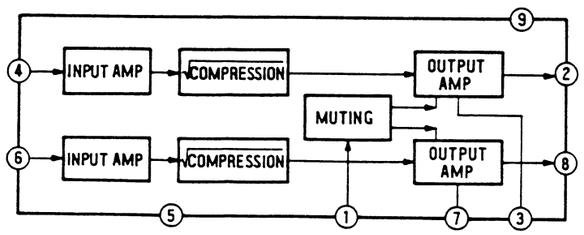
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- Components for right channel have same values as for left channel. Reference numbers are coded from 200.
- B+ : B+ Line
- B− : B− Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark: STOP
  ( ): REC
  I : NORMAL
  II : C_rO_2
  III : METAL
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ▷ : PB
  ▷▷ : REC

IC504 CX20188



IC510 BA6138



4-4. PRINTED WIRING BOARD—SYSTEM CONTROL SECTION—

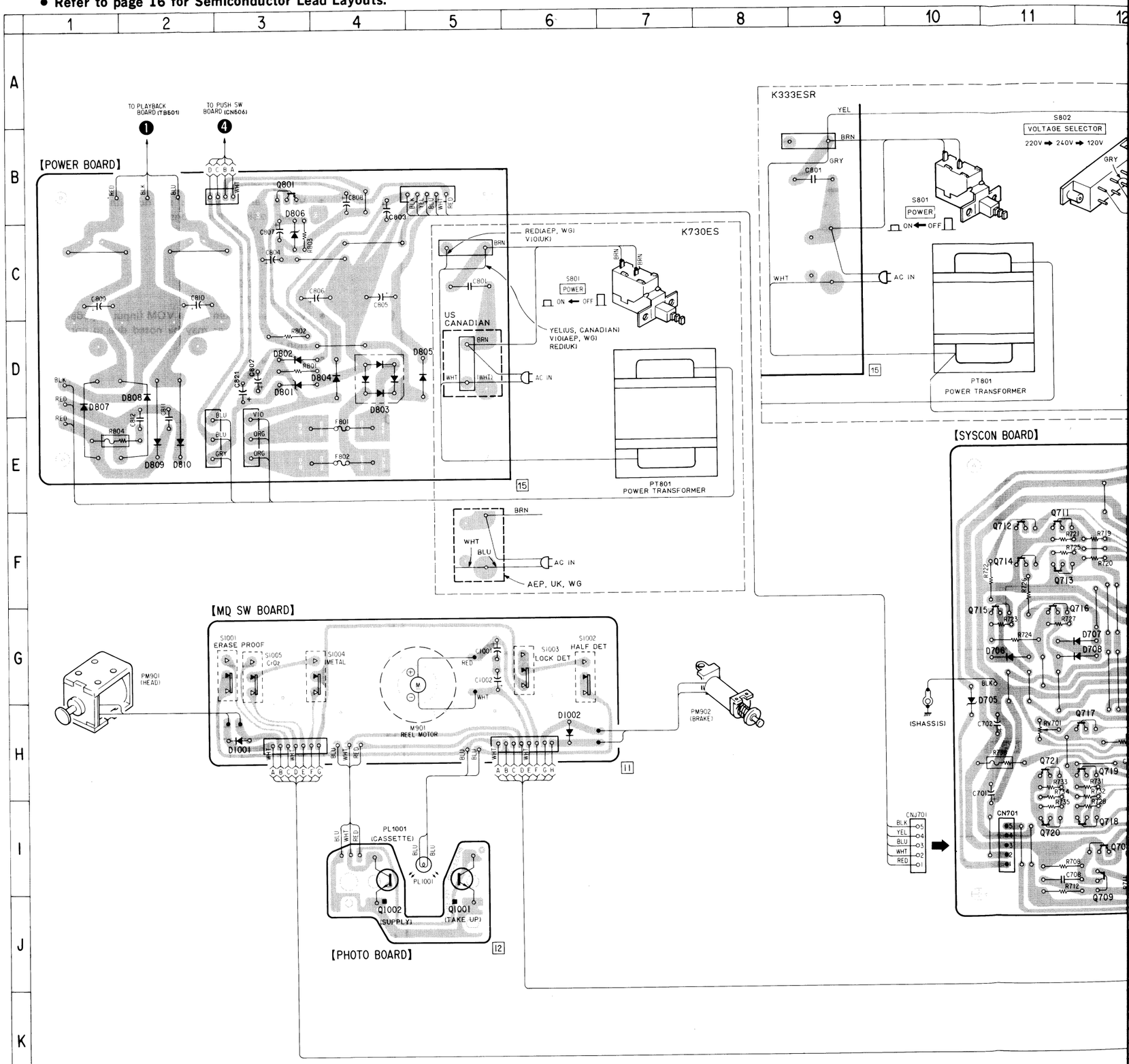
• Refer to page 16 for Semiconductor Lead Layouts.

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
IC701	F-16	Q722	H-16
IC702	H-15	Q801	B-3
IC703	I-16		
IC704	I-17	D701	E-14
IC705	D-14	D702	G-13
IC706	F-23	D703	I-13
IC901	I-22	D704	G-14
IC902	J-23	D705	H-10
		D706	G-11
Q701	F-13	D707	G-12
Q702	G-13	D708	G-12
Q703	I-13	D709	C-20
Q704	G-13	D710	C-22
Q705	H-13	D711	B-22
Q706	F-13	D712	F-17
Q707	G-13	D713	E-23
Q708	I-12	D714	H-16
Q709	J-12	D801	D-3
Q710	G-13	D802	D-3
Q711	F-11	D803	D-4
Q712	F-11	D804	D-4
Q713	F-11	D805	D-5
Q714	F-11	D806	B-3
Q715	G-11	D807	D-1
Q716	G-11	D808	D-2
Q717	H-12	D809	E-2
Q718	I-12	D810	E-2
Q719	H-12	D1001	H-3
Q720	I-11	D1002	H-6
Q721	H-11		

Note:

- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.



10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

S802
VOLTAGE SELECTOR
220V ➡ 240V ➡ 120V
GRY
VIO
WHT
ORG
BRN
YEL
S801
POWER
ON ⬅ OFF
AC IN
PT801
POWER TRANSFORMER

【TIMER SW BOARD】
S710
TIMER
REC ⬅ OFF ➡ PLAY
15

【REMOCON RECEIVER BOARD】
IC705

【CONTROL SW BOARD】
S701
S702
S703
S704
REC
S705
S706
PAUSE
S707
REC MUTE
S708
RESET
S709
MEMORY
D709
D710
D711
15

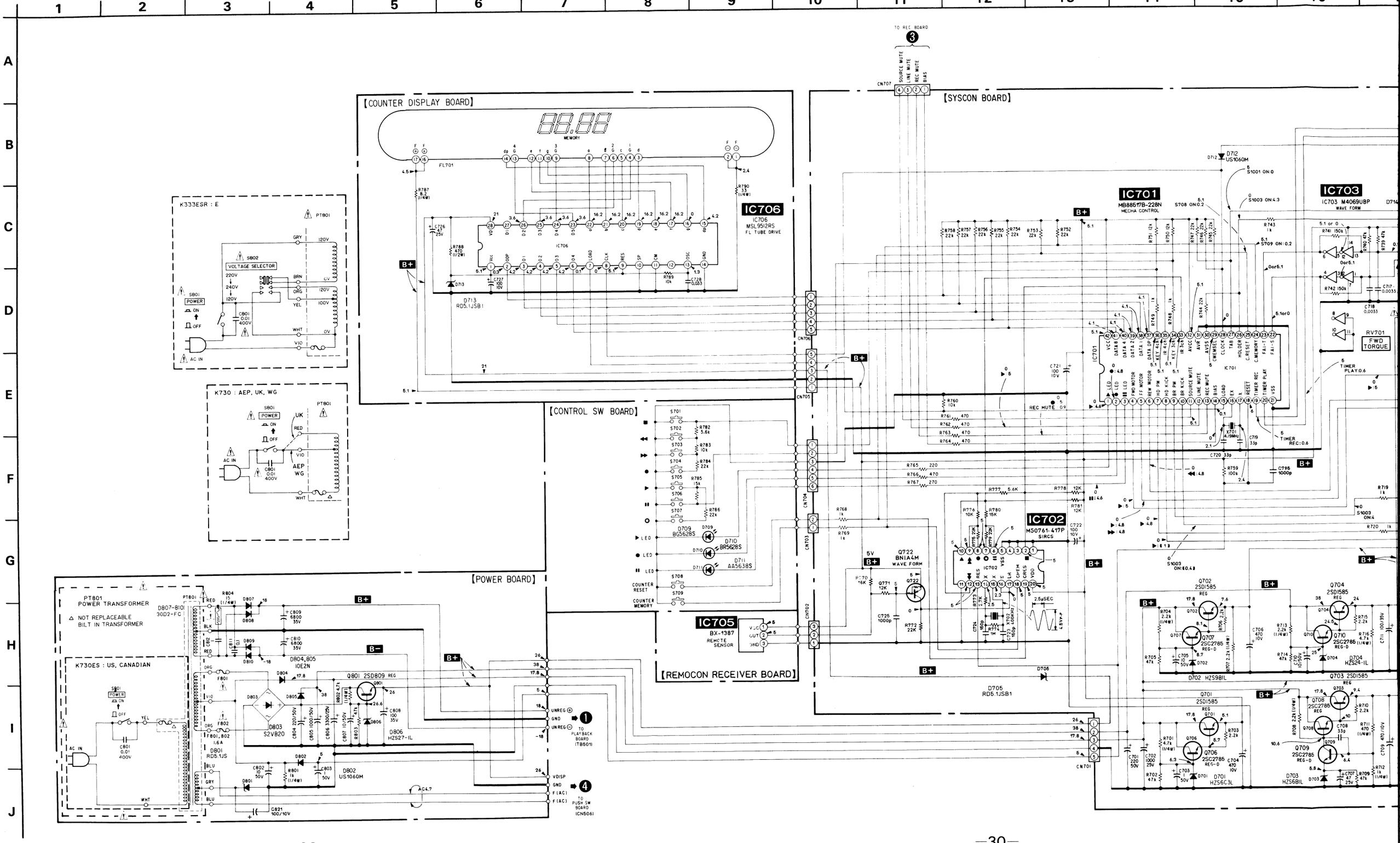
【SYSCON BOARD】
IC701
IC702
IC703
IC704
CN701
CN702
CN703
CN704
CN705
CN706
CN707
CN708
CN709
CN710
CN711
CN712
CNJ701
CNJ702
CNJ703
CNJ704
CNJ705
CNJ706
CNJ707
CNJ708
CNJ709
CNJ710
CNJ711
CNJ712
(CHASSIS)
3 TO REC BOARD
2 TO REC BOARD
15

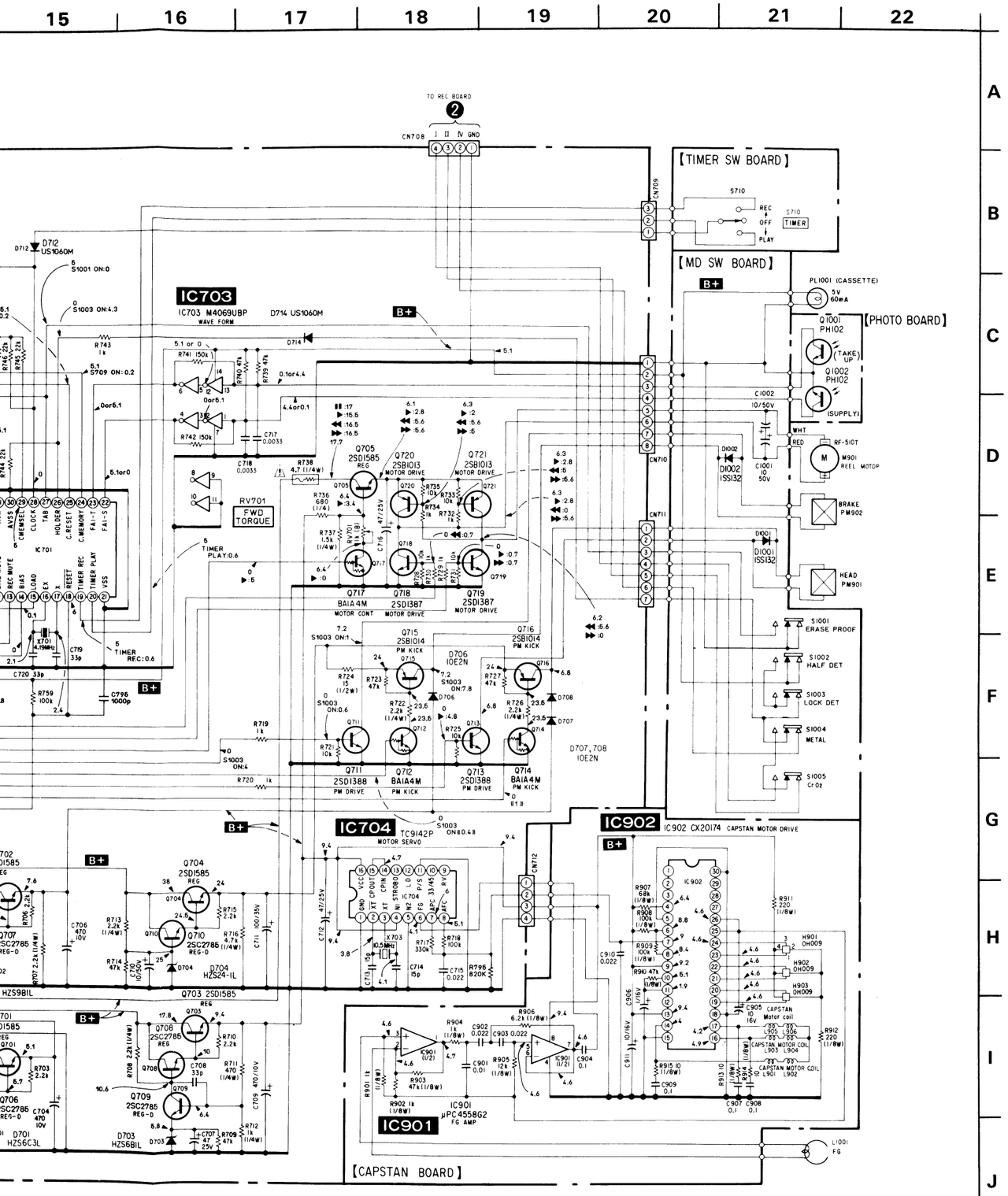
【COUNTER DISPLAY BOARD】
IC706
15

FL701
MEMORY

【CAPSTAN BOARD】
IC901
IC902
L901 ~ 906
CAPSTAN MOTOR COIL
L1001
FG
SONY 1-620-086-
11

4-5. SCHEMATIC DIAGRAM—SYSTEM CONTROL SECTION—





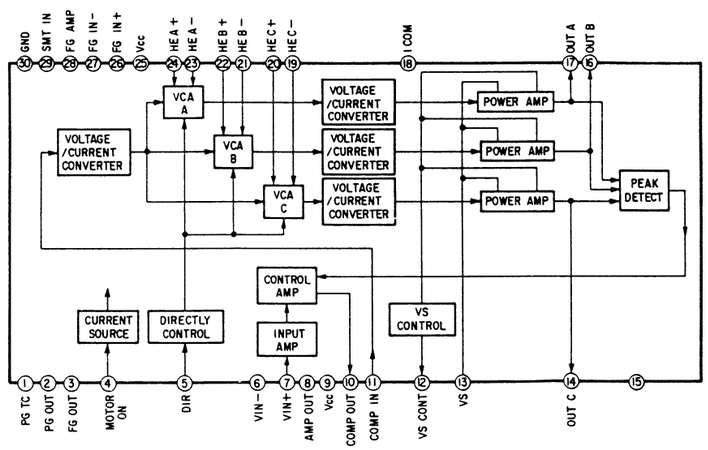
—31—

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- : fusible resistor.
- B+ : B+ Line
- B− : B− Line
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : STOP
  (( )) : Momentary voltage in power switch ON.
- ▶ : PLAY ❚❚ : PAUSE
  ▶▶ : FF ◀◀ : REW ● : REC
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

IC902 CX20174



—32—

SECTION 5
EXPLODED VIEWS

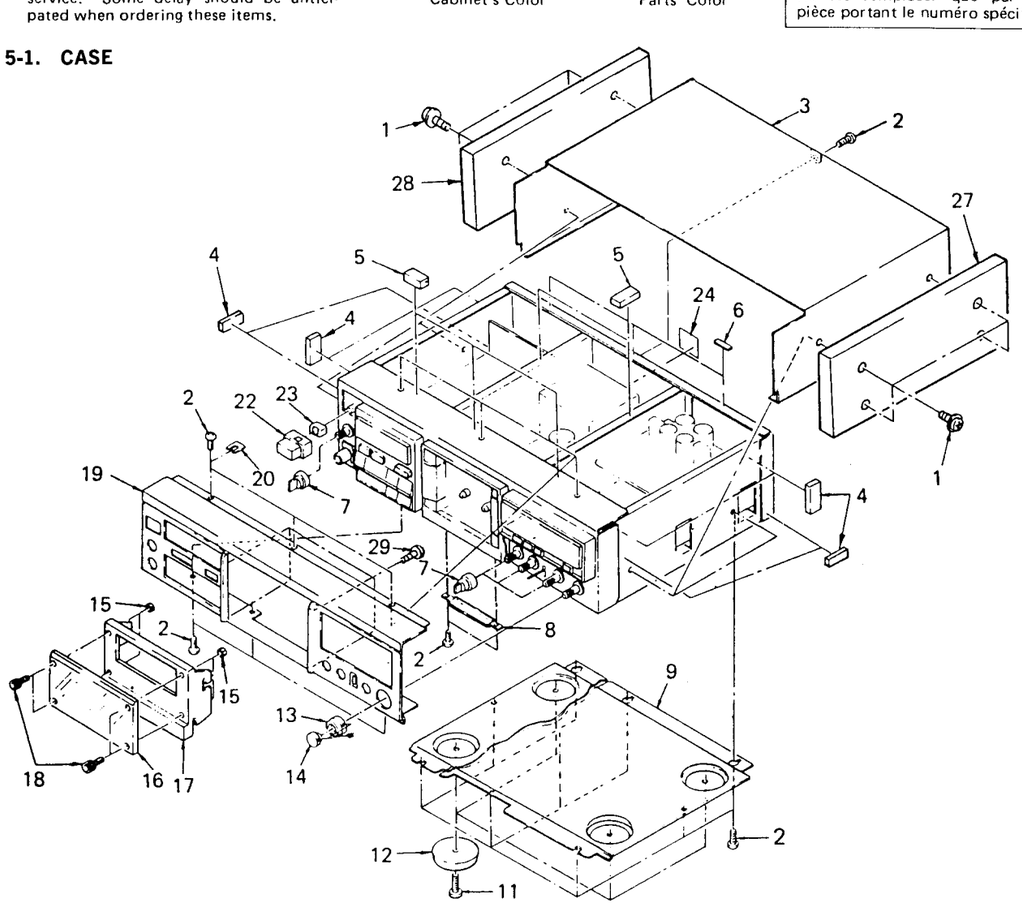
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) ...KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

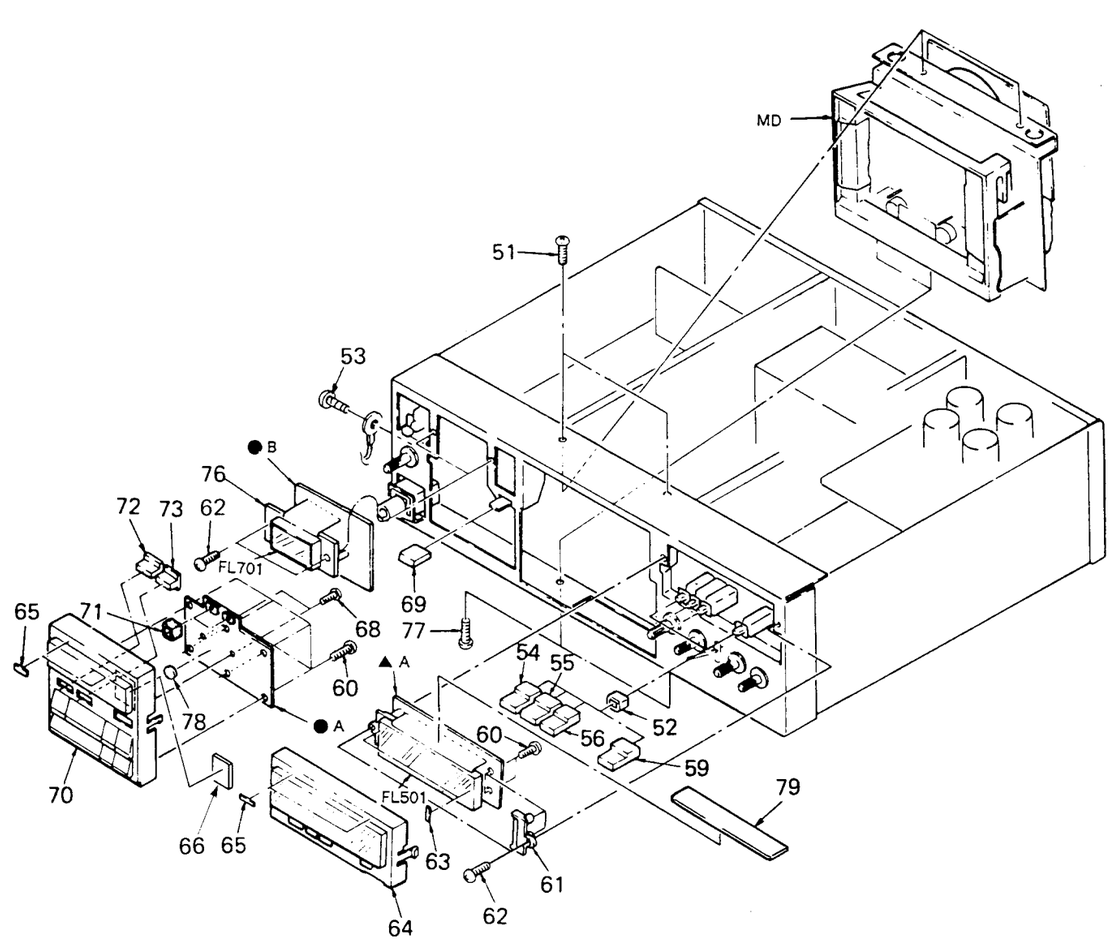
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

5-1. CASE



No.	Part No.	Description	Remarks
1	4-820-330-31	(UK)....SCREW, BW, PLUS MINUS	
	4-885-979-11	(EXCEPT UK)...SCREW (4X25)	
2	7-682-547-09	SCREW +BV 3X6, S TIGHT	
3	3-318-660-11	CASE	
4	9-911-841-XX	CUSHION	
5	9-911-843-XX	CUSHION, FLYWHEEL	
6	9-911-837-XX	CUSHION (B), FILTER	
7	3-304-929-11	KNOB, HEADPHONE	
8	3-304-962-00	COVER, MD	
9	*3-350-419-01	BOARD, BOTTOM	
10	3-703-685-21	SCREW (+BV 3X8)	
11	7-682-562-09	SCREW +B 4X10	
12	X-3304-944-1	FOOT ASSY	
13	X-3304-924-1	KNOB (LEFT) ASSY, REC	
14	X-3304-925-1	KNOB (RIGHT) ASSY, REC	
15	7-622-207-05	N 2.6, TYPE 2	
16	3-350-410-01	WINDOW, CASSETTE	
17	3-350-415-11	LID, CASSETTE	
18	7-683-412-05	BOLT, HEXAGON SOCKET 2.6X6	
19	X-3304-946-1	(E).....PANEL ASSY, FRONT	
	X-3304-949-1	(US,Canadian)...PANEL ASSY, FRONT	
	X-3304-951-1	(AEP,UK).....PANEL ASSY, FRONT	
20	3-544-028-21	SPACER	
22	4-908-046-01	KNOB, SQUARE	
23	4-864-307-00	RING	
24	*3-350-430-01	(E).....LABEL, MODEL NUMBER	
	*3-350-431-01	(US,Canadian)...LABEL, MODEL NUMBER	
	*3-350-432-01	(AEP).....LABEL, MODEL NUMBER	
	*3-350-433-01	(UK).....LABEL, MODEL NUMBER	
27	X-3304-936-1	(US,Canadian,AEP,E) ...PLATE (RIGHT) ASSY, SIDE	
	X-3304-948-1	(WG).....PLATE (RIGHT) ASSY, SIDE	
28	X-3304-937-1	(US,Canadian,AEP,E) ...PLATE (LEFT) ASSY, SIDE	
	X-3304-947-1	(WG).....PLATE (LEFT) ASSY, SIDE	
29	7-685-104-19	SCREW +P 2X6 TYPE2 NON-SLIT	

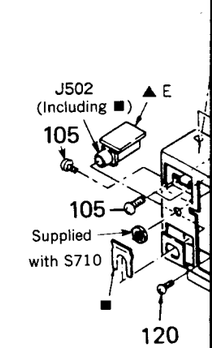
5-2. FRONT PANEL



No.	Part No.	Description	Remarks
51	7-682-547-09	SCREW +BV 3X6, S TIGHT	
52	4-864-307-00	RING	
53	7-685-870-09	SCREW +BVTT 3X5 (S)	
54	3-318-652-41	PUSH BUTTON	
55	3-318-652-51	PUSH BUTTON	
56	3-318-652-61	PUSH BUTTON	
59	3-318-652-01	PUSH BUTTON	
60	7-685-133-19	SCREW +BTP 2.6X6 TYPE2 N-S	
61	*3-318-632-01	BRACKET, METER	
62	7-685-861-09	SCREW +BVTT 2.6X5 (S)	
63	9-911-837-XX	CUSHION (B), FILTER	
64	X-3304-933-1	ESCUTCHEON ASSY, METER	
65	3-553-566-00	CUSHION	
66	*3-318-670-01	COVER, RAY CATCHER	
68	7-621-772-50	SCREW +B 2X10	
69	3-318-643-01	BUTTON, EJECT	
70	X-3304-927-2	(WG)...ESCUTCHEON ASSY, CONTROL BUTTON	
	X-3304-950-1	(US,Canadian,AEP,UK,E) ...ESCUTCHEON ASSY, CONTROL BUTTON	
71	*3-311-546-00	CUSHION, SWITCH, MONITOR	
72	3-311-506-01	BUTTON, COUNTER	
73	3-311-506-11	BUTTON, COUNTER	
76	*3-318-651-01	BRACKET, COUNTER	
77	7-685-870-01	SCREW +BVTT 3X5 (S)	
78	*3-312-975-01	SPACER	
79	9-911-863-XX	SPACER	
FL501	1-519-497-11	INDICATOR TUBE, FLUORESCENT	
FL701	1-519-409-11	INDICATOR TUBE, FLUORESCENT (COUNTER)	

5-3. CHASSIS

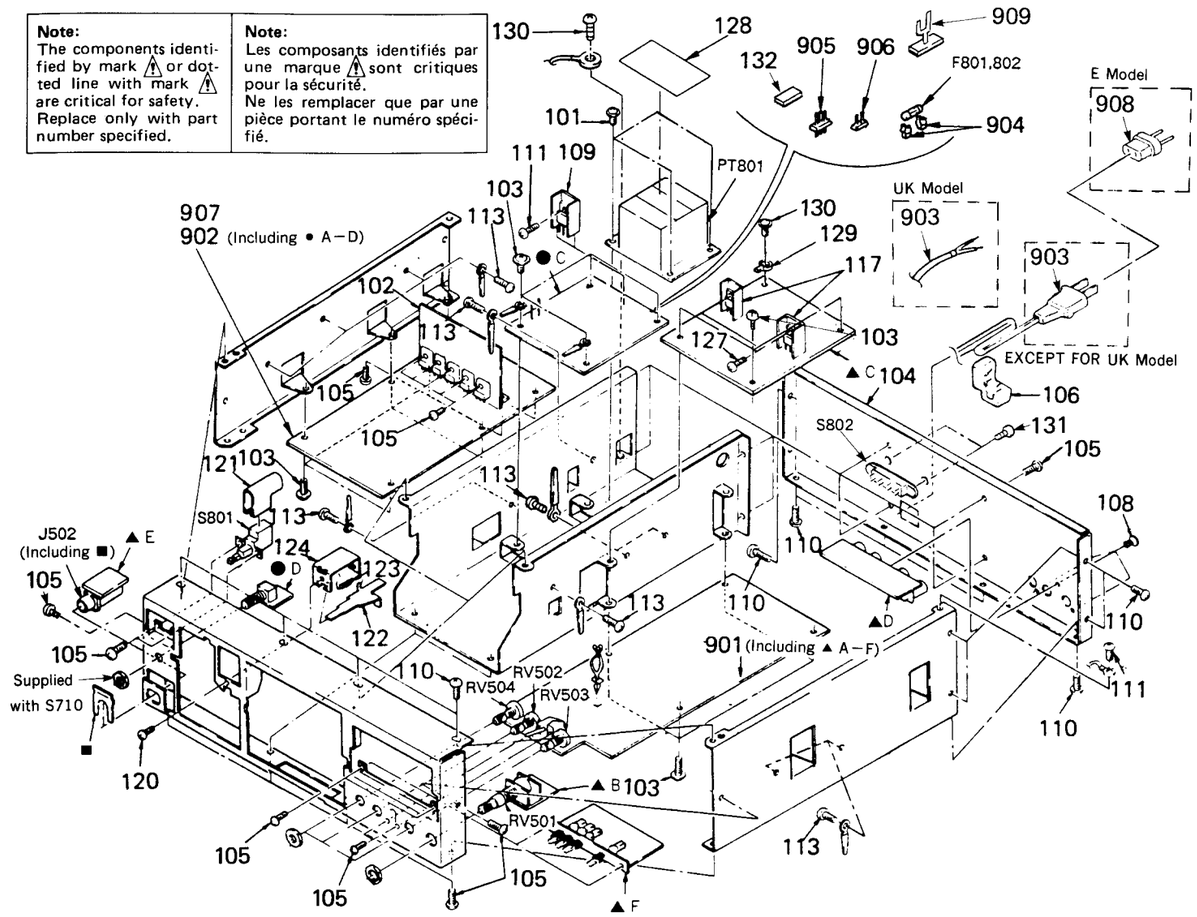
Note:
The components iden
fied by mark ⚠ or d
ted line with mark
are critical for safety.
Replace only with p
number specified.



No.	Part No.
101	7-682-647-09
102	*3-304-987-01
103	4-886-821-01
104	*3-318-658-11
105	7-682-547-09
106	4-916-783-01
108	3-646-090-11
109	*4-861-002-00
110	3-703-685-21
111	7-682-547-04
113	7-685-870-01
117	*4-363-146-00
120	7-685-861-09
121	3-575-524-00
122	*3-318-628-01
123	3-534-238-XX
124	*3-575-502-00
127	7-682-147-15
128	*3-318-666-01
129	4-870-539-00
130	4-886-821-11
131	7-685-646-79
132	*3-701-947-13
901	*A-2010-295-A

5-3. CHASSIS

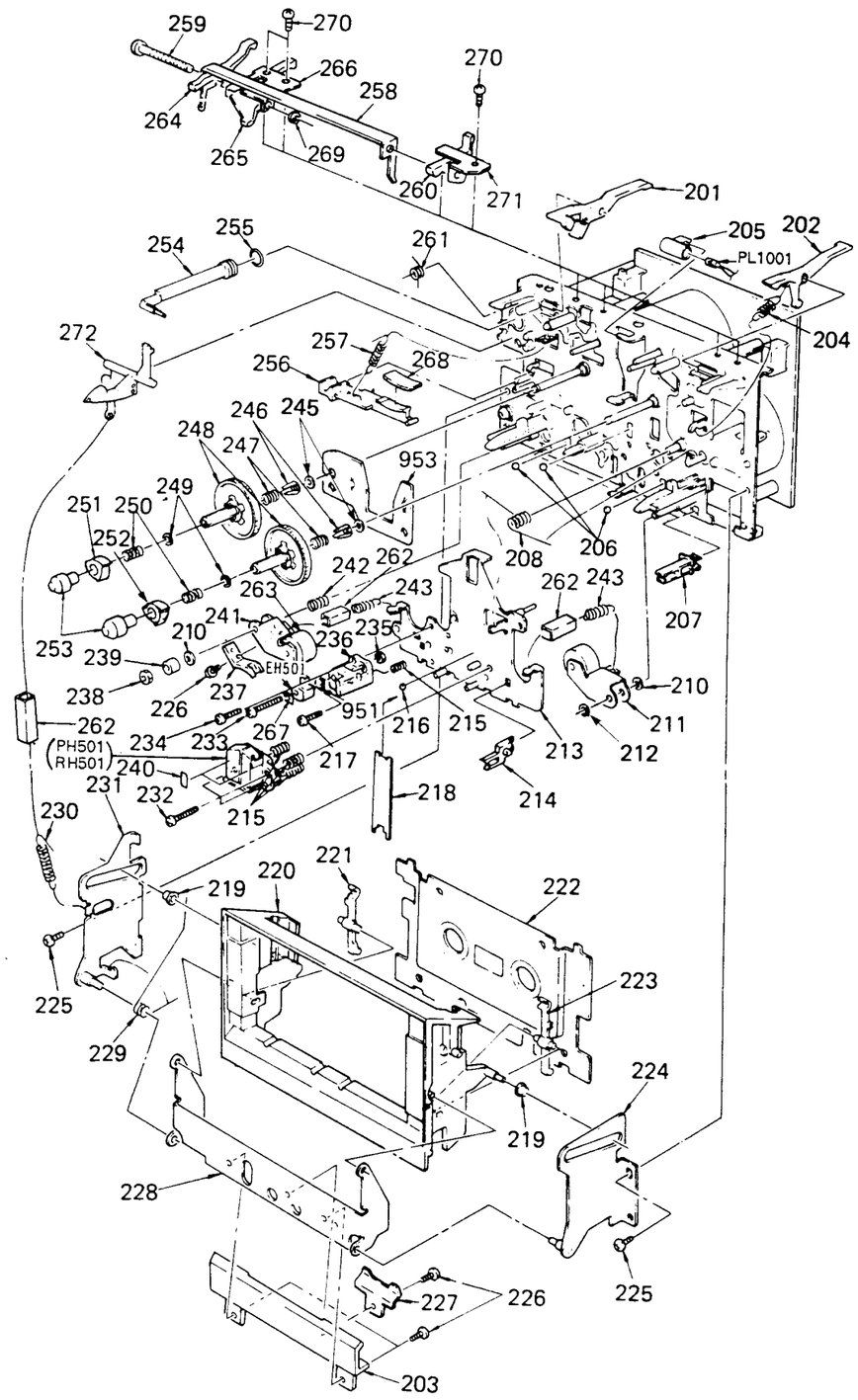
Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



No.	Part No.	Description	Remarks
101	7-682-647-09	SCREW +PSW 3X6	
102	*3-304-987-01	HEAT SINK	
103	4-886-821-01	SCREW, S TIGHT, +PTTWH 3X6	
104	*3-318-658-11	PLATE, JACK	
105	7-682-547-09	SCREW +BV 3X6, S TIGHT	
106	4-916-783-01	BUSHING, CORD	
108	3-646-090-11	RIVET, NYLON	
109	*4-861-002-00	HEAT SINK	
110	3-703-685-21	SCREW (+BV 3X8)	
111	7-682-547-04	SCREW +BVTT 3X6 (S)	
113	7-685-870-01	SCREW +BVTT 3X5 (S)	
117	*4-363-146-00	HEAT SINK, V.OUT	
120	7-685-861-09	SCREW +BVTT 2.6X5 (S)	
121	3-575-524-00	COVER, POWER SWITCH	
122	*3-318-628-01	SLIDER, EJECT	
123	3-534-238-XX	SPRING, TENSION	
124	*3-575-502-00	BRACKET, EJECT	
127	7-682-147-15	SCREW, TR	
128	*3-318-666-01	LABEL, TRANSFORMER	
129	4-870-539-00	PLATE, GROUND	
130	4-886-821-11	SCREW, S TIGHT, +PTTWH 3X6	
131	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S	
132	*3-701-947-13	(AEP,UK,E)...LABEL (T1.6A), FUSE	
901	*A-2010-295-A	PC BOARD ASSY, AUDIO	

No.	Part No.	Description	Remarks
902	*A-2056-449-A	(US,Canadian,E)	
		...PC BOARD ASSY, SYSTEM CONTROL	
	*A-2056-450-A	(AEP,UK)...PC BOARD ASSY, SYSTEM CONTROL	
903	⚠ 1-555-795-11	(AEP).....CODE, POWER	
	⚠ 1-556-035-00	(UK).....CODE, POWER	
	⚠ 1-559-297-21	(E).....CODE, POWER	
	⚠ 1-559-479-11	(US,Canadian)...CODE, POWER	
904	⚠ 1-533-162-00	HOLDER, FUSE	
905	*1-535-116-00	TERMINAL	
906	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P	
907	*1-620-540-11	PC BOARD, SYSTEM CONTROL	
908	⚠ 1-526-565-00	(E)...AC PLUG ADAPTOR	
909	1-535-416-01	(AEP,UK)...TERMINAL	
F801	⚠ 1-532-259-00	(AEP,UK,E).....FUSE, TIME-LAG (1.6A)	
F801	⚠ 1-532-742-11	(US,Canadian)...FUSE, GLASS TUBE (1.6A)	
F802	⚠ 1-532-259-00	(AEP,UK,E).....FUSE, TIME-LAG (1.6A)	
F802	⚠ 1-532-742-11	(US,Canadian)...FUSE, GLASS TUBE (1.6A)	
PT801	⚠ 1-448-948-11	(US,Canadian)...TRANSFORMER, POWER	
PT801	⚠ 1-448-949-11	(AEP,UK).....TRANSFORMER, POWER	
PT801	⚠ 1-449-005-11	(E).....TRANSFORMER, POWER	
S801	⚠ 1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY)	
S802	⚠ 1-570-307-11	(E)...SWITCH, VOLTAGE CHANGE	

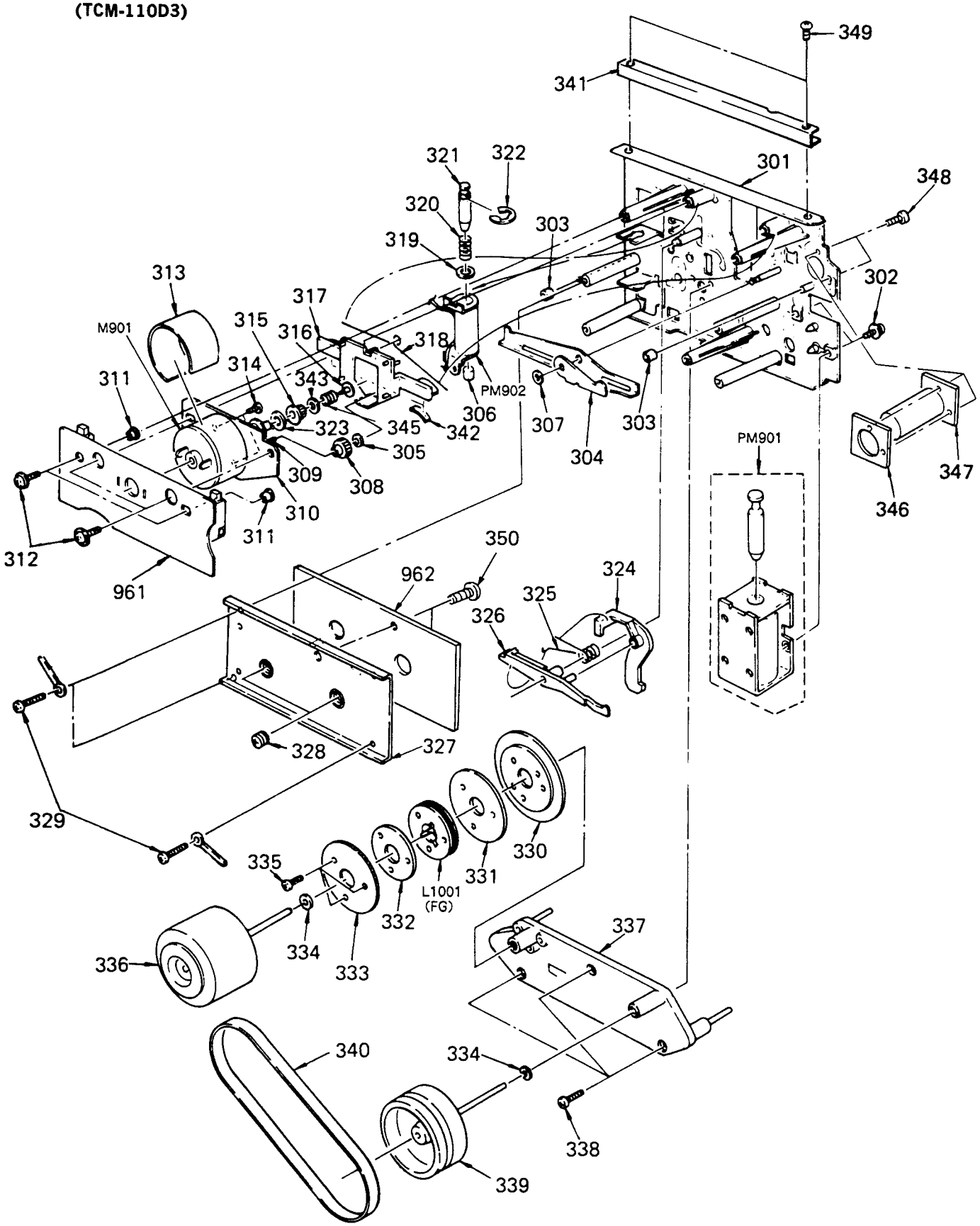
5-4. MECHANISM SECTION (1) (TCM-110D3)



No.	Part No.	Description	Remarks
201	3-575-449-00	LEVER, DETECTION, REC	
202	3-575-331-00	LEVER, DETECTION, HALF	
203	*3-318-406-11	PLATE, ORNAMENTAL, HEAD	
204	3-575-358-00	SPRING, TENSION	
205	3-575-328-00	HOLDER, LAMP	
206	7-671-112-11	BALL, STEEL	
207	*3-575-378-00	GUIDE, LEAD	
208	3-575-351-00	SPRING	
210	3-701-439-21	WASHER	
211	X-3575-380-1	PINCH LEVER (T) ASSY	
212	7-624-105-04	STOP RING 2.3, TYPE -E	
213	X-3575-323-0	CHASSIS ASSY, HEAD	
214	*3-304-963-00	RETAINER, LEAD	
215	3-564-121-00	SPRING, COMPRESSION	
216	7-671-113-11	BALL, STEEL	
217	7-621-775-20	SCREW +B 2.6X5	
218	*3-575-377-00	SPRING	
219	3-575-348-00	ROLLER, GUIDE, THREADING	
220	3-575-355-31	HOLDER, CASSETTE	
221	3-555-114-00	SPRING (LEFT)	
222	X-3575-399-1	PLATE ASSY, ORNAMENTAL	
223	3-555-113-00	SPRING (RIGHT)	
224	*X-3575-339-0	PLATE (RIGHT) ASSY, FULCRUM	
225	7-621-770-87	SCREW +PTT 2.6X5 (S)	
226	7-621-772-10	SCREW +B 2X4	
227	3-304-639-00	PLATE, SHIELD, HEAD	
228	3-306-215-00	LEVER, FULCRUM, HOLDER	
229	3-575-356-00	SPRING	
230	3-575-364-00	SPRING, TENSION	
231	*X-3575-338-0	PLATE (LEFT) ASSY, FULCRUM	
232	7-621-771-06	SCREW, LOCK	
233	7-621-772-88	SCREW +B 2X16	
234	7-621-772-20	SCREW +B 2X5	
235	7-622-205-05	NUT M2 TYPE2	
236	*3-306-216-00	BRACKET, HEAD, ERASE	
237	3-564-138-00	GUIDE (S), TAPE	
238	7-684-023-04	N 3, TYPE 2	
239	3-491-191-00	COLLAR	
241	X-3575-321-0	PINCH LEVER (S) ASSY	

No.	Part No.	Description	Remarks
242	3-537-213-00	SPRING, COMPRESSION	
243	3-575-481-00	SPRING, TENSION	
245	3-701-439-11	WASHER	
246	3-318-405-01	RETAINER, SPRING	
247	3-571-850-11	SPRING, COMPRESSION	
248	3-318-438-01	TABLE, REEL	
249	3-558-708-11	WASHER, STOPPER	
250	3-576-921-00	SPRING, COMPRESSION	
251	3-531-760-00	CLAW, REEL SPINDLE	
252	3-558-339-00	CLAW (R), REEL TABLE	
253	3-576-983-01	CAP, REEL	
254	3-575-459-00	PISTON	
255	3-575-392-00	RING, PISTON	
256	X-3575-310-0	LEVER ASSY, TENSION, BACK	
257	3-307-381-00	SPRING, TENSION	
258	*3-306-279-00	LEVER, ERASING PROTECTION	
259	*3-306-281-00	SHAFT, DETECTION LEVER	
260	*3-306-282-00	LEVER, REC DETECTION, REVERSE	
261	3-318-408-01	SPRING	
262	9-911-815-02	CUSHION	
264	3-575-438-00	LEVER, DETECTION	
265	3-575-446-00	LEVER, DETECTION, METAL	
266	*3-575-440-00	BRACKET, LEVER, DETECTION	
267	3-318-433-01	SPRING	
268	3-575-346-01	FELT, BREKE	
269	7-624-104-04	STOP RING 2.0, TYPE -E	
270	7-685-870-01	SCREW +BVTT 3X5 (S)	
271	*X-3575-364-0	BRACKET ASSY, LEVER	
272	3-575-448-00	LEVER, LOCK	
951	*1-608-268-00	PC BOARD, ERASE HEAD	
953	*1-603-823-00	PC BOARD, PHOTO	
EH501	1-543-358-11	HEAD, MAGNETIC (ERASE)	
PH501	8-825-770-51	HEAD, REC/PB RPA230-3602C (including RH501)	
PL1001	1-518-313-00	LAMP, PILOT	

5-5. MECHANISM SECTION (2) (TCM-110D3)



No.	Part No.	Description	Remarks
301	*X-3306-201-1	CHASSIS ASSY, MECHANICAL	
302	7-682-649-09	SCREW +PSW 3X10	
304	*3-306-260-00	LEVER, FWD	
305	3-558-708-01	WASHER, STOPPER	
306	3-575-416-11	ARBOR, FIXED	
307	3-558-708-11	WASHER, STOPPER	
308	3-575-332-00	GEAR, FR	
309	3-575-304-00	SHAFT, GEAR, FR	
311	3-306-277-00	LIFTER, PC BOARD	
312	7-685-646-79	SCREW, TOTSU PTPWH 3X8, TYPE2	
313	3-306-209-00	PLATE (D), SHIELD, MOTOR	
314	7-621-775-10	SCREW +B 2.6X4	
315	3-575-324-00	GEAR, LIMITER	
316	3-575-327-00	STOPPER	
317	*X-3575-342-0	PLATE ASSY, BRAKE	
318	3-575-345-00	SPRING	
319	3-701-444-11	WASHER, 6	
320	3-575-414-00	SPRING, COMPRESSION	
321	3-575-415-11	ARBOR, MOVABLE	
322	7-624-109-04	STOP RING 5.0, TYPE -E	
323	3-564-027-11	FELT, LIMITER	
324	3-575-318-00	LEVER, LOCK, TUNING	
325	3-575-458-00	SPRING	
326	3-575-460-00	LEVER, SELECT TUNE	
327	X-3306-202-1	RETAINER ASSY, THRUST	

No.	Part No.	Description	Remarks
328	3-489-073-00	SCREW, THRUST	
329	7-682-647-09	SCREW +PS 3X6	
330	*3-310-831-01	PLATE, SHIELD, MOTOR	
331	*3-576-810-00	PLATE, RETURN CIRCUIT	
332	3-310-865-00	WASHER, INSULATING	
333	3-576-961-11	PLATE, FG	
334	3-701-438-21	WASHER	
335	7-621-775-60	SCREW +B 2.6X12	
336	X-3575-377-1	FLYWHEEL (TAKE-UP) ASSY	
337	X-3575-383-1	BASE ASSY, CAPSTAN	
338	7-621-770-87	SCREW +PTT 2.6X5 (S)	
339	X-3575-378-1	FLYWHEEL (SUPPLY) ASSY	
340	3-576-812-00	BELT, CAPSTAN	
341	*3-318-437-01	BRACKET, MD	
342	3-575-469-00	SHOE, BRAKE	
343	3-701-441-11	WASHER	
344	3-701-748-00	CLAMP	
345	3-575-487-01	SPRING, COMPRESSION	
346	*3-318-439-01	BRACKET	
347	*3-318-440-01	CYLINDER	
961	*1-620-542-11	PC BOARD, MD SWITCH	
962	*1-620-086-11	PC BOARD, CAPSTAN	
M901	X-3575-382-1	MOTOR ASSY, REEL	
PM901	1-454-333-00	SOLENOID, PLUNGER	
PM902	1-454-291-00	SOLENOID, PLUNGER	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
901	*A-2010-295-A	PC BOARD ASSY, AUDIO
902	*A-2056-449-A	(US,Canadian,E) ...PC BOARD ASSY, SYSTEM CONTROL
	*A-2056-450-A	(AEP,UK)...PC BOARD ASSY, SYSTEM CONTROL
903	⚠1-555-795-11	(AEP).....CODE, POWER
	⚠1-556-035-00	(UK).....CODE, POWER
	⚠1-559-297-21	(E).....CODE, POWER
	⚠1-559-479-11	(US,Canadian)...CODE, POWER
904	⚠1-533-162-00	HOLDER, FUSE
905	*1-535-116-00	TERMINAL
906	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P
907	*1-620-540-11	PC BOARD, SYSTEM CONTROL
908	⚠1-526-565-00	(E)...AC PLUG ADAPTOR
909	1-535-416-01	(AEP,UK)....TERMINAL
951	*1-608-268-00	PC BOARD, ERASE HEAD
953	*1-603-823-00	PC BOARD, PHOTO
961	*1-620-542-11	PC BOARD, MD SWITCH
962	*1-620-086-11	PC BOARD, CAPSTAN

Ref.No.	Part No.				
C101	1-130-893-00	FILM	0.027MF	3%	100V
C102	1-124-929-11	ELECT	22MF	20%	63V
C103	1-124-929-11	ELECT	22MF	20%	63V
C104	1-136-169-00	FILM	0.22MF	5%	50V
C105	1-130-473-00	MYLAR	0.0015MF	5%	50V
C106	1-107-165-00	MICA	56PF	5%	500V
C107	1-130-478-00	MYLAR	0.0039MF	5%	50V
C108	1-109-619-00	MICA	180PF	5%	500V
C109	1-130-477-00	MYLAR	0.0033MF	5%	50V
C110	1-130-475-00	MYLAR	0.0022MF	5%	50V
C111	1-130-475-00	MYLAR	0.0022MF	5%	50V
C112	1-130-478-00	MYLAR	0.0039MF	5%	50V
C113	1-136-173-00	FILM	0.47MF	5%	50V
C114	1-136-167-00	FILM	0.15MF	5%	50V
C115	1-136-155-00	FILM	0.015MF	5%	50V
C116	1-123-380-00	ELECT	1MF	20%	50V
C117	1-136-169-00	FILM	0.22MF	5%	50V
C118	1-136-163-00	FILM	0.068MF	5%	50V
C119	1-136-162-00	FILM	0.056MF	5%	50V
C120	1-123-380-00	ELECT	1MF	20%	50V
C121	1-130-480-00	MYLAR	0.0056MF	5%	50V
C122	1-136-153-00	FILM	0.01MF	5%	50V
C123	1-124-929-11	ELECT	22MF	20%	63V
C124	1-124-929-11	ELECT	22MF	20%	63V
C125	1-123-369-00	ELECT	4.7MF	20%	63V
C126	1-124-767-00	ELECT	2.2MF	20%	50V
C127	1-107-159-00	MICA	33PF	5%	500V

Ref.No.	Part No.				
C128	1-162-211-31	CERAMIC	33PF	5%	50V
C129	1-130-475-00	MYLAR	0.0022MF	5%	50V
C130	1-130-475-00	MYLAR	0.0022MF	5%	50V
C131	1-130-478-00	MYLAR	0.0039MF	5%	50V
C132	1-136-173-00	FILM	0.47MF	5%	50V
C133	1-136-167-00	FILM	0.15MF	5%	50V
C134	1-136-155-00	FILM	0.015MF	5%	50V
C135	1-123-380-00	ELECT	1MF	20%	50V
C136	1-136-169-00	FILM	0.22MF	5%	50V
C137	1-136-163-00	FILM	0.068MF	5%	50V
C138	1-136-162-00	FILM	0.056MF	5%	50V
C139	1-123-380-00	ELECT	1MF	20%	50V
C140	1-130-480-00	MYLAR	0.0056MF	5%	50V
C141	1-136-153-00	FILM	0.01MF	5%	50V
C142	1-124-929-11	ELECT	22MF	20%	63V
C143	1-124-929-11	ELECT	22MF	20%	63V
C144	1-130-473-00	MYLAR	0.0015MF	5%	50V
C146	1-136-164-00	FILM	0.082MF	5%	50V
C147	1-136-155-00	FILM	0.015MF	5%	50V
C148	1-136-160-00	FILM	0.039MF	5%	50V
C149	1-136-156-00	FILM	0.018MF	5%	50V
C150	1-136-160-00	FILM	0.039MF	5%	50V
C151	1-136-157-00	FILM	0.022MF	5%	50V
C152	1-130-476-00	MYLAR	0.0027MF	5%	50V
C153	1-124-929-11	ELECT	22MF	20%	63V
C154	1-130-473-00	MYLAR	0.0015MF	5%	50V
C155	1-107-157-00	MICA	27PF	5%	500V
C156	1-107-157-00	MICA	27PF	5%	500V
C157	1-124-767-00	ELECT	2.2MF	20%	50V
C158	1-124-925-11	ELECT	2.2MF	20%	50V
C159	1-124-927-11	ELECT	4.7MF	20%	50V
C160	1-123-369-00	ELECT	4.7MF	20%	63V
C161	1-107-163-00	MICA	47PF	5%	500V
C201	1-130-893-00	FILM	0.027MF	3%	100V
C202	1-124-929-11	ELECT	22MF	20%	63V
C203	1-124-929-11	ELECT	22MF	20%	63V
C204	1-136-169-00	FILM	0.22MF	5%	50V
C205	1-130-473-00	MYLAR	0.0015MF	5%	50V
C206	1-107-165-00	MICA	56PF	5%	500V
C207	1-130-478-00	MYLAR	0.0039MF	5%	50V
C208	1-109-619-00	MICA	180PF	5%	500V
C209	1-130-477-00	MYLAR	0.0033MF	5%	50V
C210	1-130-475-00	MYLAR	0.0022MF	5%	50V
C211	1-130-475-00	MYLAR	0.0022MF	5%	50V
C212	1-130-478-00	MYLAR	0.0039MF	5%	50V

Ref.No.	Part No.	Description			
C213	1-136-173-00	FILM	0.47MF	5%	50V
C214	1-136-167-00	FILM	0.15MF	5%	50V
C215	1-136-155-00	FILM	0.015MF	5%	50V
C216	1-123-380-00	ELECT	1MF	20%	50V
C217	1-136-169-00	FILM	0.22MF	5%	50V
C218	1-136-163-00	FILM	0.068MF	5%	50V
C219	1-136-162-00	FILM	0.056MF	5%	50V
C220	1-123-380-00	ELECT	1MF	20%	50V
C221	1-130-480-00	MYLAR	0.0056MF	5%	50V
C222	1-136-153-00	FILM	0.01MF	5%	50V
C223	1-124-929-11	ELECT	22MF	20%	63V
C224	1-124-929-11	ELECT	22MF	20%	63V
C225	1-123-369-00	ELECT	4.7MF	20%	63V
C226	1-124-767-00	ELECT	2.2MF	20%	50V
C227	1-107-159-00	MICA	33PF	5%	500V
C228	1-162-211-31	CERAMIC	33PF	5%	50V
C229	1-130-475-00	MYLAR	0.0022MF	5%	50V
C230	1-130-475-00	MYLAR	0.0022MF	5%	50V
C231	1-130-478-00	MYLAR	0.0039MF	5%	50V
C232	1-136-173-00	FILM	0.47MF	5%	50V
C233	1-136-167-00	FILM	0.15MF	5%	50V
C234	1-136-155-00	FILM	0.015MF	5%	50V
C235	1-123-380-00	ELECT	1MF	20%	50V
C236	1-136-169-00	FILM	0.22MF	5%	50V
C237	1-136-163-00	FILM	0.068MF	5%	50V
C238	1-136-162-00	FILM	0.056MF	5%	50V
C239	1-123-380-00	ELECT	1MF	20%	50V
C240	1-130-480-00	MYLAR	0.0056MF	5%	50V
C241	1-136-153-00	FILM	0.01MF	5%	50V
C242	1-124-929-11	ELECT	22MF	20%	63V
C243	1-124-929-11	ELECT	22MF	20%	63V
C244	1-130-473-00	MYLAR	0.0015MF	5%	50V
C246	1-136-164-00	FILM	0.082MF	5%	50V
C247	1-136-155-00	FILM	0.015MF	5%	50V
C248	1-136-160-00	FILM	0.039MF	5%	50V
C249	1-136-156-00	FILM	0.018MF	5%	50V
C250	1-136-160-00	FILM	0.039MF	5%	50V
C251	1-136-157-00	FILM	0.022MF	5%	50V
C252	1-130-476-00	MYLAR	0.0027MF	5%	50V
C253	1-124-929-11	ELECT	22MF	20%	63V
C254	1-130-473-00	MYLAR	0.0015MF	5%	50V
C255	1-107-157-00	MICA	27PF	5%	500V
C256	1-107-157-00	MICA	27PF	5%	500V
C257	1-124-767-00	ELECT	2.2MF	20%	50V
C258	1-124-925-11	ELECT	2.2MF	20%	50V
C259	1-124-927-11	ELECT	4.7MF	20%	50V
C260	1-123-369-00	ELECT	4.7MF	20%	63V
C261	1-107-163-00	MICA	47PF	5%	500V
C501	1-123-377-00	ELECT	470MF	20%	63V
C502	1-123-377-00	ELECT	470MF	20%	63V
C503	1-123-378-00	ELECT	1000MF	20%	63V
C504	1-123-378-00	ELECT	1000MF	20%	63V
C505	1-124-915-11	ELECT	10MF	20%	63V
C506	1-124-915-11	ELECT	10MF	20%	63V
C507	1-123-875-11	ELECT	10MF	20%	50V
C508	1-123-875-11	ELECT	10MF	20%	50V
C509	1-123-875-11	ELECT	10MF	20%	50V

Ref.No.	Part No.	Description			
C510	1-162-282-31	CERAMIC	100PF	10%	50V
C511	1-162-282-31	CERAMIC	100PF	10%	50V
C512	1-162-282-31	CERAMIC	100PF	10%	50V
C513	1-162-282-31	CERAMIC	100PF	10%	50V
C514	1-124-925-11	ELECT	2.2MF	20%	50V
C515	1-124-915-11	ELECT	10MF	20%	63V
C516	1-124-915-11	ELECT	10MF	20%	63V
C517	1-123-333-00	ELECT	100MF	20%	16V
C518	1-123-333-00	ELECT	100MF	20%	16V
C519	1-123-332-00	ELECT	47MF	20%	25V
C520	1-123-332-00	ELECT	47MF	20%	25V
C521	1-124-477-11	ELECT	47MF	20%	25V
C523	1-162-294-31	CERAMIC	0.001MF	10%	50V
C524	1-124-477-11	ELECT	47MF	20%	25V
C525	1-162-294-31	CERAMIC	0.001MF	10%	50V
C526	1-162-291-31	CERAMIC	560PF	10%	50V
C527	1-162-291-31	CERAMIC	560PF	10%	50V
C528	1-131-368-00	TANTALUM	3.3MF	20%	16V
C529	1-136-802-11	FILM	0.015MF	5%	100V
C530	1-130-467-00	MYLAR	470PF	5%	50V
C531	1-130-467-00	MYLAR	470PF	5%	50V
C701	1-124-911-11	ELECT	220MF	20%	50V
C702	1-124-557-11	ELECT	1000MF	20%	25V
C703	1-124-499-11	ELECT	1MF	20%	50V
C704	1-124-472-11	ELECT	470MF	20%	10V
C705	1-123-875-11	ELECT	10MF	20%	50V
C706	1-124-472-11	ELECT	470MF	20%	10V
C707	1-124-477-11	ELECT	47MF	20%	25V
C708	1-162-211-31	CERAMIC	33PF	5%	50V
C709	1-124-472-11	ELECT	470MF	20%	10V
C710	1-123-875-11	ELECT	10MF	20%	50V
C711	1-124-122-11	ELECT	100MF	20%	35V
C712	1-124-477-11	ELECT	47MF	20%	25V
C713	1-162-203-31	CERAMIC	15PF	5%	50V
C714	1-162-203-31	CERAMIC	15PF	5%	50V
C715	1-136-157-00	FILM	0.022MF	5%	50V
C716	1-124-477-11	ELECT	47MF	20%	25V
C717	1-161-327-00	CERAMIC	0.0033MF	20%	16V
C718	1-161-327-00	CERAMIC	0.0033MF	20%	16V
C719	1-162-211-31	CERAMIC	33PF	5%	50V
C720	1-162-211-31	CERAMIC	33PF	5%	50V
C721	1-124-443-00	ELECT	100MF	20%	10V
C722	1-124-443-00	ELECT	100MF	20%	10V
C723	1-162-284-31	CERAMIC	150PF	10%	50V
C724	1-162-284-31	CERAMIC	150PF	10%	50V
C725	1-162-294-31	CERAMIC	0.001MF	10%	50V
C726	1-124-477-11	ELECT	47MF	20%	25V
C727	1-124-443-00	ELECT	100MF	20%	10V
C728	1-136-159-00	FILM	0.033MF	5%	50V
C795	1-162-294-31	CERAMIC	0.001MF	10%	50V
C801	1-161-744-00	CERAMIC	0.01MF		400V
C802	1-123-875-11	ELECT	10MF	20%	50V
C803	1-124-499-11	ELECT	1MF	20%	50V
C804	1-124-911-11	ELECT	220MF	20%	50V
C805	1-124-637-11	ELECT	1000MF	20%	50V
C806	1-124-636-00	ELECT	3300MF	20%	25V
C807	1-123-875-11	ELECT	10MF	20%	50V

Ref.No.	Part No.	Description			
C808	1-124-122-11	ELECT	100MF	20%	35V
C809	1-126-129-11	ELECT	6800MF	20%	35V
C810	1-126-129-11	ELECT	6800MF	20%	35V
C811	1-136-165-00	FILM	0.1MF	5%	50V
C812	1-136-177-00	FILM	1MF	5%	50V
C821	1-124-443-00	ELECT	100MF	20%	10V
C901	1-163-059-00	CERAMIC CHIP	0.01MF	10%	50V
C902	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C903	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C904	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C905	1-124-779-00	ELECT CHIP	10MF	20%	16V
C906	1-135-091-00	TANTAL. CHIP	1MF	10%	16V
C907	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C908	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C909	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C910	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C911	1-124-779-00	ELECT CHIP	10MF	20%	16V
C1001	1-123-875-11	ELECT	10MF	20%	50V
C1002	1-123-875-11	ELECT	10MF	20%	50V
CN501	*1-560-062-00	PIN, CONNECTOR 4P			
CN502	*1-564-507-11	PLUG, CONNECTOR 4P			
CN503	*1-564-506-11	PLUG, CONNECTOR 3P			
CN504	*1-560-062-00	PIN, CONNECTOR 4P			
CN505	*1-560-061-00	PIN, CONNECTOR 3P			
CN506	*1-564-338-61	PIN, CONNECTOR 4P			
CN507	*1-564-340-00	PIN, CONNECTOR 6P			
CN508	*1-564-340-71	PIN, CONNECTOR 6P			
CN509	*1-564-338-00	PIN, CONNECTOR 4P			
CN510	*1-564-338-71	PIN, CONNECTOR 4P			
CN511	*1-564-338-81	PIN, CONNECTOR 4P			
CN512	*1-564-339-00	PIN, CONNECTOR 5P			
CN701	*1-564-508-11	PLUG, CONNECTOR 5P			
CN702	*1-564-337-00	PIN, CONNECTOR 3P			
CN703	*1-564-336-00	PIN, CONNECTOR 2P			
CN704	*1-564-340-00	PIN, CONNECTOR 6P			
CN705	*1-564-339-61	PIN, CONNECTOR 5P			
CN706	*1-564-339-00	PIN, CONNECTOR 5P			
CN707	*1-564-338-61	PIN, CONNECTOR 4P			
CN708	*1-564-338-00	PIN, CONNECTOR 4P			
CN709	*1-564-337-61	PIN, CONNECTOR 3P			
CN710	*1-564-342-11	PIN, CONNECTOR 8P			
CN711	*1-564-341-11	PIN, CONNECTOR 7P			
CN712	*1-564-507-11	PLUG, CONNECTOR 4P			
CP501	1-466-045-11	OSCILLATION UNIT, BIAS			
CT501	1-141-225-00	CAP, TUNING, TRIMAR			
D501	8-719-933-47	DIODE HZS7B2L			
D502	8-719-933-71	DIODE HZS11C3L			
D503	8-719-912-20	DIODE 1SS120			
D504	8-719-912-20	DIODE 1SS120			
D505	8-719-912-20	DIODE 1SS120			
D506	8-719-912-20	DIODE 1SS120			
D507	8-719-912-20	DIODE 1SS120			
D508	8-719-912-20	DIODE 1SS120			
D509	8-719-912-20	DIODE 1SS120			
D510	8-719-912-20	DIODE 1SS120			
D511	8-719-912-20	DIODE 1SS120			
D512	8-719-912-20	DIODE 1SS120			

Ref.No.	Part No.	Description
D513	8-719-114-29	DIODE RD5.1JS
D514	8-719-933-71	DIODE HZS11C3L
D515	8-719-933-71	DIODE HZS11C3L
D516	8-719-114-29	DIODE RD5.1JS
D701	8-719-933-41	DIODE HZS6C3L
D702	8-719-933-57	DIODE HZS9B1L
D703	8-719-933-36	DIODE HZS6B1L
D704	8-719-934-13	DIODE HZS24-1L
D705	8-719-114-29	DIODE RD5.1JSB1
D706	8-719-200-77	DIODE 10E2N
D707	8-719-200-77	DIODE 10E2N
D708	8-719-200-77	DIODE 10E2N
D709	8-719-900-79	DIODE BG5628S (▶)
D710	8-719-956-28	DIODE BR5628S (■)
D711	8-719-913-47	DIODE EAA5638S (●)
D712	8-719-912-29	DIODE 1SS120
D713	8-719-114-29	DIODE RD5.1JSB1
D714	8-719-912-20	DIODE 1SS120
D801	8-719-114-19	DIODE RD5.1JSB1
D802	8-719-912-20	DIODE 1SS120
D803	8-719-504-60	DIODE S2VB20
D804	8-719-200-77	DIODE 10E2N
D805	8-719-200-77	DIODE 10E2N
D806	8-719-934-18	DIODE HZS27-2L
D807	8-719-230-02	DIODE 30D4
D808	8-719-230-02	DIODE 30D4
D809	8-719-230-02	DIODE 30D4
D810	8-719-230-02	DIODE 30D4
D1001	8-719-107-94	DIODE 1SS132
D1002	8-719-107-94	DIODE 1SS132
EH501	1-543-358-11	HEAD, MAGNETIC (ERASE)
F801 ⚠	1-532-259-00	(AEP,UK,E).....FUSE, TIME-LAG (1.6A)
F801 ⚠	1-532-742-11	(US,Canadian)...FUSE, GLASS TUBE (1.6A)
F802 ⚠	1-532-259-00	(AEP,UK,E).....FUSE, TIME-LAG (1.6A)
F802 ⚠	1-532-742-11	(US,Canadian)...FUSE, GLASS TUBE (1.6A)
FL501	1-519-497-11	INDICATOR TUBE, FLUORESCENT
FL701	1-519-409-11	INDICATOR TUBE, FLUORESCENT (COUNTER)
H901	8-719-403-79	OH009-TW
H902	8-719-403-79	OH009-TW
H903	8-719-403-79	OH009-TW
IC501	8-759-604-38	IC M5F78M10
IC502	8-759-604-44	IC M5F79M10
IC503	8-759-602-01	IC M5220P
IC504	8-752-018-80	IC CX20188
IC505	8-759-602-83	IC M5238P
IC506	8-752-018-80	IC CX20188
IC507	8-759-981-96	IC RC4560D
IC508	8-759-981-96	IC RC4560D
IC509	8-759-145-58	IC UPC4558C
IC510	8-759-961-38	IC BA6138
IC511	8-759-982-26	IC RC78L12A
IC512	8-759-904-72	IC MSL9359RS
IC701	8-759-938-34	IC MB88517B-228N
IC702	8-759-602-47	IC M50761-417P
IC703	8-759-601-45	IC M4069UBP

Note:
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Replace only with part number specified.

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Ref.No.	Part No.	Description
IC704	8-759-201-58	IC TC9142P
IC705	8-741-138-70	IC BX-1387
IC706	8-759-905-48	IC MSL9512RS
IC901	8-759-100-96	IC UPC4558G2
IC902	8-752-017-40	IC CX20174
J501	1-507-531-31	PLATE, PIN-JACK (LINE IN/OUT)
J502	1-507-796-71	JACK (HEADPHONES)
JR901	1-216-296-00	METAL GLAZE 0 5% 1/8W
JR902	1-216-296-00	METAL GLAZE 0 5% 1/8W
JR903	1-216-296-00	METAL GLAZE 0 5% 1/8W
JR904	1-216-296-00	METAL GLAZE 0 5% 1/8W
JR905	1-216-296-00	METAL GLAZE 0 5% 1/8W
L101	1-408-924-00	INDUCTOR 10MMH
L102	1-408-925-11	INDUCTOR 12MMH
L103	1-408-920-00	INDUCTOR 4.7MMH
L104	1-408-918-11	INDUCTOR 3.3MMH
L105	1-408-916-11	INDUCTOR 2.2MMH
L106	1-408-925-11	INDUCTOR 12MMH
L201	1-408-924-00	INDUCTOR 10MMH
L202	1-408-925-11	INDUCTOR 12MMH
L203	1-408-920-00	INDUCTOR 4.7MMH
L204	1-408-918-11	INDUCTOR 3.3MMH
L205	1-408-916-11	INDUCTOR 2.2MMH
L206	1-408-925-11	INDUCTOR 12MMH
L501	1-410-525-11	INDUCTOR 220UH
L502	1-410-525-11	INDUCTOR 220UH
L503	1-410-525-11	INDUCTOR 220UH
L1001	1-459-426-00	COIL (FG)
LPF101	1-236-087-11	FILTER, LOW PASS
LPF201	1-236-087-11	FILTER, LOW PASS
M901	X-3575-382-1	MOTOR ASSY, REEL
PH501	8-825-770-51	HEAD, REC/PB RPA230-3602C (including RH501)
PL1001	1-518-313-00	LAMP, PILOT
PM901	1-454-333-00	SOLENOID, PLUNGER
PM902	1-454-291-00	SOLENOID, PLUNGER
PT801⚠	1-448-948-11	(US,Canadian)...TRANSFORMER, POWER
PT801⚠	1-448-949-11	(AEP,UK).....TRANSFORMER, POWER
PT801⚠	1-449-005-11	(E).....TRANSFORMER, POWER
Q101	8-729-107-84	TRANSISTOR 2SC3623A-L
Q102	8-729-102-04	TRANSISTOR 2SD1020-F
Q103	8-729-107-84	TRANSISTOR 2SC3623A-L
Q104	8-729-107-84	TRANSISTOR 2SC3623A-L
Q105	8-729-107-84	TRANSISTOR 2SC3623A-L
Q106	8-729-107-84	TRANSISTOR 2SC3623A-L
Q201	8-729-107-84	TRANSISTOR 2SC3623A-L
Q202	8-729-102-04	TRANSISTOR 2SD1020-F
Q203	8-729-107-84	TRANSISTOR 2SC3623A-L
Q204	8-729-107-84	TRANSISTOR 2SC3623A-L
Q205	8-729-107-84	TRANSISTOR 2SC3623A-L
Q206	8-729-107-84	TRANSISTOR 2SC3623A-L
Q501	8-729-900-63	TRANSISTOR DTA124ES
Q502	8-729-900-89	TRANSISTOR DTC144ES
Q503	8-729-900-36	TRANSISTOR DTC124ES
Q504	8-729-900-36	TRANSISTOR DTC124ES
Q505	8-729-900-36	TRANSISTOR DTC124ES
Q506	8-729-900-36	TRANSISTOR DTC124ES
Q507	8-729-900-36	TRANSISTOR DTC124ES
Q508	8-729-281-53	TRANSISTOR 2SC1815GR
Q509	8-729-281-53	TRANSISTOR 2SC1815GR
Q510	8-729-178-54	TRANSISTOR 2SC2785
Q511	8-729-900-63	TRANSISTOR DTA124ES
Q512	8-729-900-36	TRANSISTOR DTC144ES
Q513	8-729-117-54	TRANSISTOR 2SA1175
Q514	8-729-178-54	TRANSISTOR 2SC2785
Q515	8-729-900-65	TRANSISTOR DTA144ES
Q516	8-729-900-65	TRANSISTOR DTA144ES
Q517	8-729-900-65	TRANSISTOR DTA144ES
Q518	8-729-900-65	TRANSISTOR DTA144ES
Q519	8-729-900-65	TRANSISTOR DTA144ES
Q520	8-729-900-65	TRANSISTOR DTA144ES
Q521	8-729-900-89	TRANSISTOR DTC144ES
Q701	8-729-107-25	TRANSISTOR 2SD1585-L
Q702	8-729-107-25	TRANSISTOR 2SD1585-L
Q703	8-729-107-25	TRANSISTOR 2SD1585-L
Q704	8-729-107-25	TRANSISTOR 2SD1585-L
Q705	8-729-107-25	TRANSISTOR 2SD1585-L
Q706	8-729-178-54	TRANSISTOR 2SC2785
Q707	8-729-178-54	TRANSISTOR 2SC2785
Q708	8-729-178-54	TRANSISTOR 2SC2785
Q709	8-729-178-54	TRANSISTOR 2SC2785
Q710	8-729-178-54	TRANSISTOR 2SC2785
Q711	8-729-802-34	TRANSISTOR 2SD1388
Q712	8-729-900-80	TRANSISTOR DTC114ES
Q713	8-729-802-34	TRANSISTOR 2SD1388
Q714	8-729-900-80	TRANSISTOR DTC144ES
Q715	8-729-802-22	TRANSISTOR 2SB1014
Q716	8-729-802-22	TRANSISTOR 2SB1014
Q717	8-729-900-80	TRANSISTOR DTC144ES
Q718	8-729-801-93	TRANSISTOR 2SD1387
Q719	8-729-801-93	TRANSISTOR 2SD1387
Q720	8-729-801-83	TRANSISTOR 2SB1013
Q721	8-729-801-83	TRANSISTOR 2SB1013
Q722	8-729-900-61	TRANSISTOR DTA114ES
Q801	8-729-180-92	TRANSISTOR 2SD809-K
Q1001	8-729-110-22	TRANSISTOR PH102
Q1002	8-729-110-22	TRANSISTOR PH102
R101	1-249-466-11	CARBON 56K 5% 1/4W
R102	1-249-652-11	CARBON 130 5% 1/2W
R103	1-249-602-11	CARBON 120K 5% 1/4W
R104	1-247-255-00	CARBON 4.3K 5% 1/2W
R105	1-249-537-11	CARBON 240 5% 1/4W
R106	1-249-539-11	CARBON 300 5% 1/4W
R107	1-249-429-11	CARBON 10K 5% 1/4W
R108	1-247-717-11	CARBON 2.2K 5% 1/4W
R109	1-249-928-11	CARBON 1.6K 5% 1/4W
R110	1-247-749-11	CARBON 560 5% 1/2W
R111	1-247-764-11	CARBON 10K 5% 1/2W
R112	1-247-146-00	CARBON 4.3K 5% 1/4W

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Ref.No.	Part No.	Description			
R113	1-247-142-00	CARBON	3K	5%	1/4W
R114	1-246-545-00	CARBON	1M	5%	1/4W
R115	1-249-917-11	CARBON	560	1%	1/4W
R116	1-247-193-00	CARBON	22K	1%	1/4W
R117	1-247-152-00	CARBON	7.5K	5%	1/4W
R118	1-247-711-11	CARBON	680	5%	1/4W
R119	1-247-154-00	CARBON	9.1K	5%	1/4W
R120	1-249-465-11	CARBON	47K	5%	1/4W
R121	1-249-490-11	CARBON	27K	5%	1/2W
R122	1-249-824-11	CARBON	8.2K	5%	1/2W
R123	1-249-469-11	CARBON	100K	5%	1/4W
R124	1-247-723-11	CARBON	6.8K	5%	1/4W
R125	1-247-720-11	CARBON	3.9K	5%	1/4W
R126	1-247-719-11	CARBON	3.3K	5%	1/4W
R127	1-247-152-00	CARBON	7.5K	5%	1/4W
R128	1-249-469-11	CARBON	100K	5%	1/4W
R129	1-247-747-11	CARBON	470	5%	1/2W
R130	1-247-764-11	CARBON	10K	5%	1/2W
R131	1-247-146-00	CARBON	4.3K	5%	1/4W
R132	1-247-142-00	CARBON	3K	5%	1/4W
R133	1-246-545-00	CARBON	1M	5%	1/4W
R134	1-249-917-11	CARBON	560	1%	1/4W
R135	1-247-193-00	CARBON	22K	1%	1/4W
R136	1-247-152-00	CARBON	7.5K	5%	1/4W
R137	1-247-711-11	CARBON	680	5%	1/4W
R138	1-247-154-00	CARBON	9.1K	5%	1/4W
R139	1-249-465-11	CARBON	47K	5%	1/4W
R140	1-247-721-11	CARBON	4.7K	5%	1/4W
R141	1-249-461-11	CARBON	18K	5%	1/4W
R142	1-247-719-11	CARBON	3.3K	5%	1/4W
R143	1-247-723-11	CARBON	6.8K	5%	1/4W
R144	1-249-425-11	CARBON	4.7K	5%	1/4W
R145	1-249-590-11	CARBON	39K	5%	1/4W
R146	1-249-429-11	CARBON	10K	5%	1/4W
R147	1-249-469-11	CARBON	100K	5%	1/4W
R148	1-249-459-11	CARBON	12K	5%	1/4W
R149	1-247-717-11	CARBON	2.2K	5%	1/4W
R150	1-249-466-11	CARBON	56K	5%	1/4W
R151	1-249-590-11	CARBON	39K	5%	1/4W
R152	1-247-703-11	CARBON	180	5%	1/4W
R153	1-249-459-11	CARBON	12K	5%	1/4W
R154	1-247-700-11	CARBON	100	5%	1/4W
R155	1-247-142-00	CARBON	3K	5%	1/4W
R156	1-247-721-11	CARBON	4.7K	5%	1/4W
R157	1-249-429-11	CARBON	10K	5%	1/4W
R158	1-249-429-11	CARBON	10K	5%	1/4W
R159	1-247-700-11	CARBON	100	5%	1/4W
R160	1-247-718-11	CARBON	2.7K	5%	1/4W
R161	1-247-720-11	CARBON	3.9K	5%	1/4W
R162	1-249-429-11	CARBON	10K	5%	1/4W
R163	1-247-718-11	CARBON	2.7K	5%	1/4W
R164	1-247-714-11	CARBON	1.2K	5%	1/4W
R165	1-247-721-11	CARBON	4.7K	5%	1/4W
R166	1-249-461-11	CARBON	18K	5%	1/4W
R167	1-249-469-11	CARBON	100K	5%	1/4W
R168	1-247-704-11	CARBON	220	5%	1/4W
R169	1-247-749-11	CARBON	560	5%	1/2W

Ref.No.	Part No.	Description			
R170	1-249-421-11	CARBON	2.2K	5%	1/4W
R171	1-249-397-11	CARBON	22	5%	1/4W
R172	1-247-883-00	CARBON	150K	5%	1/4W
R173	1-249-429-11	CARBON	10K	5%	1/4W
R174	1-247-725-11	CARBON	10K	5%	1/4W
R175	1-249-441-11	CARBON	100K	5%	1/4W
R201	1-249-466-11	CARBON	56K	5%	1/4W
R202	1-249-652-11	CARBON	130	5%	1/2W
R203	1-249-602-11	CARBON	120K	5%	1/4W
R204	1-247-255-00	CARBON	4.3K	5%	1/2W
R205	1-249-537-11	CARBON	240	5%	1/4W
R206	1-249-539-11	CARBON	300	5%	1/4W
R207	1-249-429-11	CARBON	10K	5%	1/4W
R208	1-247-717-11	CARBON	2.2K	5%	1/4W
R209	1-249-928-11	CARBON	1.6K	5%	1/4W
R210	1-247-749-11	CARBON	560	5%	1/2W
R211	1-247-764-11	CARBON	10K	5%	1/2W
R212	1-247-146-00	CARBON	4.3K	5%	1/4W
R213	1-247-142-00	CARBON	3K	5%	1/4W
R214	1-246-545-00	CARBON	1M	5%	1/4W
R215	1-249-917-11	CARBON	560	1%	1/4W
R216	1-247-193-00	CARBON	22K	1%	1/4W
R217	1-247-152-00	CARBON	7.5K	5%	1/4W
R218	1-247-711-11	CARBON	680	5%	1/4W
R219	1-247-154-00	CARBON	9.1K	5%	1/4W
R220	1-249-465-11	CARBON	47K	5%	1/4W
R221	1-249-490-11	CARBON	27K	5%	1/2W
R222	1-249-824-11	CARBON	8.2K	5%	1/2W
R223	1-249-469-11	CARBON	100K	5%	1/4W
R224	1-247-723-11	CARBON	6.8K	5%	1/4W
R225	1-247-720-11	CARBON	3.9K	5%	1/4W
R226	1-247-719-11	CARBON	3.3K	5%	1/4W
R227	1-247-152-00	CARBON	7.5K	5%	1/4W
R228	1-249-469-11	CARBON	100K	5%	1/4W
R229	1-247-747-11	CARBON	470	5%	1/2W
R230	1-247-764-11	CARBON	10K	5%	1/2W
R231	1-247-146-00	CARBON	4.3K	5%	1/4W
R232	1-247-142-00	CARBON	3K	5%	1/4W
R233	1-246-545-00	CARBON	1M	5%	1/4W
R234	1-249-917-11	CARBON	560	1%	1/4W
R235	1-247-193-00	CARBON	22K	1%	1/4W
R236	1-247-152-00	CARBON	7.5K	5%	1/4W
R237	1-247-711-11	CARBON	680	5%	1/4W
R238	1-247-154-00	CARBON	9.1K	5%	1/4W
R239	1-249-465-11	CARBON	47K	5%	1/4W
R240	1-247-721-11	CARBON	4.7K	5%	1/4W
R241	1-249-461-11	CARBON	18K	5%	1/4W
R242	1-247-719-11	CARBON	3.3K	5%	1/4W
R243	1-247-723-11	CARBON	6.8K	5%	1/4W
R244	1-249-425-11	CARBON	4.7K	5%	1/4W
R245	1-249-590-11	CARBON	39K	5%	1/4W
R246	1-249-429-11	CARBON	10K	5%	1/4W
R247	1-249-469-11	CARBON	100K	5%	1/4W
R248	1-249-459-11	CARBON	12K	5%	1/4W
R249	1-247-717-11	CARBON	2.2K	5%	1/4W
R250	1-249-466-11	CARBON	56K	5%	1/4W
R251	1-249-590-11	CARBON	39K	5%	1/4W

Ref.No.	Part No.	Description			
R252	1-247-703-11	CARBON	180	5%	1/4W
R253	1-249-459-11	CARBON	12K	5%	1/4W
R254	1-247-700-11	CARBON	100	5%	1/4W
R255	1-247-142-00	CARBON	3K	5%	1/4W
R256	1-247-721-11	CARBON	4.7K	5%	1/4W
R257	1-249-429-11	CARBON	10K	5%	1/4W
R258	1-249-429-11	CARBON	10K	5%	1/4W
R259	1-247-700-11	CARBON	100	5%	1/4W
R260	1-247-718-11	CARBON	2.7K	5%	1/4W
R261	1-247-720-11	CARBON	3.9K	5%	1/4W
R262	1-249-429-11	CARBON	10K	5%	1/4W
R263	1-247-718-11	CARBON	2.7K	5%	1/4W
R264	1-247-714-11	CARBON	1.2K	5%	1/4W
R265	1-247-721-11	CARBON	4.7K	5%	1/4W
R266	1-249-461-11	CARBON	18K	5%	1/4W
R267	1-249-469-11	CARBON	100K	5%	1/4W
R268	1-247-704-11	CARBON	220	5%	1/4W
R269	1-247-749-11	CARBON	560	5%	1/2W
R270	1-249-421-11	CARBON	2.2K	5%	1/4W
R271	1-249-397-11	CARBON	22	5%	1/4W
R272	1-247-883-00	CARBON	150K	5%	1/4W
R273	1-249-429-11	CARBON	10K	5%	1/4W
R274	1-247-725-11	CARBON	10K	5%	1/4W
R275	1-249-441-11	CARBON	100K	5%	1/4W
R501	1-249-433-11	CARBON	22K	5%	1/4W
R502	1-215-472-00	METAL	130K	1%	1/6W
R503	1-249-429-11	CARBON	10K	5%	1/4W
R504	1-215-472-00	METAL	130K	1%	1/6W
R505	1-249-429-11	CARBON	10K	5%	1/4W
R506	1-249-438-11	CARBON	56K	5%	1/4W
R507	1-249-433-11	CARBON	22K	5%	1/4W
R508	1-249-421-11	CARBON	2.2K	5%	1/4W
R509	1-249-429-11	CARBON	10K	5%	1/4W
R510	1-249-438-11	CARBON	56K	5%	1/4W
R511	1-249-438-11	CARBON	56K	5%	1/4W
R512	1-249-438-11	CARBON	56K	5%	1/4W
R513	1-249-433-11	CARBON	22K	5%	1/4W
R514	1-249-438-11	CARBON	56K	5%	1/4W
R515	1-249-429-11	CARBON	10K	5%	1/4W
R516	1-249-433-11	CARBON	22K	5%	1/4W
R517	1-249-437-11	CARBON	47K	5%	1/4W
R518	1-249-438-11	CARBON	56K	5%	1/4W
R519	1-247-862-11	CARBON	20K	5%	1/4W
R520	1-247-848-11	CARBON	5.1K	5%	1/4W
R521	1-249-425-11	CARBON	4.7K	5%	1/4W
R522	1-247-846-11	CARBON	4.3K	5%	1/4W
R523	1-249-425-11	CARBON	4.7K	5%	1/4W
R524	1-249-417-11	CARBON	1K	5%	1/4W
R525	1-249-437-11	CARBON	47K	5%	1/4W
R526	1-249-433-11	CARBON	22K	5%	1/4W
R527	1-247-700-11	CARBON	100	5%	1/4W
R528	1-247-700-11	CARBON	100	5%	1/4W
R529	1-249-429-11	CARBON	10K	5%	1/4W
R530	1-249-437-11	CARBON	47K	5%	1/4W
R531	1-247-700-11	CARBON	100	5%	1/4W
R532	1-247-700-11	CARBON	100	5%	1/4W
R533	1-249-433-11	CARBON	22K	5%	1/4W

Ref.No.	Part No.	Description			
R534	1-249-441-11	CARBON	100K	5%	1/4W
R535	1-249-441-11	CARBON	100K	5%	1/4W
R536	1-249-441-11	CARBON	100K	5%	1/4W
R537	1-249-441-11	CARBON	100K	5%	1/4W
R538	1-249-441-11	CARBON	100K	5%	1/4W
R539	1-249-441-11	CARBON	100K	5%	1/4W
R540	1-249-441-11	CARBON	100K	5%	1/4W
R541	1-249-441-11	CARBON	100K	5%	1/4W
R542	1-249-410-11	CARBON	270	5%	1/4W
R543	1-249-410-11	CARBON	270	5%	1/4W
R544	1-247-887-00	CARBON	220K	5%	1/4W
R545	1-249-432-11	CARBON	18K	5%	1/4W
R546	1-249-429-11	CARBON	10K	5%	1/4W
R547	1-249-429-11	CARBON	10K	5%	1/4W
R548	1-249-405-11	CARBON	100	5%	1/4W
R549	1-249-405-11	CARBON	100	5%	1/4W
R550	1-249-405-11	CARBON	100	5%	1/4W
R551	1-249-405-11	CARBON	100	5%	1/4W
R552	1-249-405-11	CARBON	100	5%	1/4W
R553	1-249-405-11	CARBON	100	5%	1/4W
R554	1-249-405-11	CARBON	100	5%	1/4W
R555	1-249-405-11	CARBON	100	5%	1/4W
R556	1-249-405-11	CARBON	100	5%	1/4W
R557	1-249-405-11	CARBON	100	5%	1/4W
R701	1-247-721-11	CARBON	4.7K	5%	1/4W
R702	1-249-437-11	CARBON	47K	5%	1/4W
R703	1-249-421-11	CARBON	2.2K	5%	1/4W
R704	1-247-717-11	CARBON	2.2K	5%	1/4W
R705	1-249-437-11	CARBON	47K	5%	1/4W
R706	1-249-421-11	CARBON	2.2K	5%	1/4W
R707	1-247-717-11	CARBON	2.2K	5%	1/4W
R708	1-247-717-11	CARBON	2.2K	5%	1/4W
R709	1-249-437-11	CARBON	47K	5%	1/4W
R710	1-249-421-11	CARBON	2.2K	5%	1/4W
R711	1-247-708-11	CARBON	470	5%	1/4W
R712	1-247-713-11	CARBON	1K	5%	1/4W
R713	1-247-717-11	CARBON	2.2K	5%	1/4W
R714	1-249-437-11	CARBON	47K	5%	1/4W
R715	1-249-421-11	CARBON	2.2K	5%	1/4W
R716	1-247-721-11	CARBON	4.7K	5%	1/4W
R717	1-247-891-00	CARBON	330K	5%	1/4W
R718	1-249-441-11	CARBON	100K	5%	1/4W
R719	1-249-417-11	CARBON	1K	5%	1/4W
R720	1-249-417-11	CARBON	1K	5%	1/4W
R721	1-249-429-11	CARBON	10K	5%	1/4W
R722	1-247-717-11	CARBON	2.2K	5%	1/4W
R723	1-249-437-11	CARBON	47K	5%	1/4W
R724	1-247-729-11	CARBON	15	5%	1/2W
R725	1-249-429-11	CARBON	10K	5%	1/4W
R726	1-247-717-11	CARBON	2.2K	5%	1/4W
R727	1-249-437-11	CARBON	47K	5%	1/4W
R728	1-249-429-11	CARBON	10K	5%	1/4W
R729	1-249-417-11	CARBON	1K	5%	1/4W
R730	1-249-417-11	CARBON	1K	5%	1/4W
R731	1-249-429-11	CARBON	10K	5%	1/4W
R732	1-249-417-11	CARBON	1K	5%	1/4W
R733	1-249-429-11	CARBON	10K	5%	1/4W

Ref.No.	Part No.	Description				
R734	1-249-417-11	CARBON	1K	5%	1/4W	
R735	1-249-429-11	CARBON	10K	5%	1/4W	
R736	1-247-711-11	CARBON	680	5%	1/4W	
R737	1-247-715-11	CARBON	1.5K	5%	1/4W	
R738 ⚠	1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
R739	1-249-437-11	CARBON	47K	5%	1/4W	
R740	1-249-437-11	CARBON	47K	5%	1/4W	
R741	1-247-883-00	CARBON	150K	5%	1/4W	
R742	1-247-883-00	CARBON	150K	5%	1/4W	
R743	1-249-417-11	CARBON	1K	5%	1/4W	
R744	1-249-433-11	CARBON	22K	5%	1/4W	
R745	1-249-433-11	CARBON	22K	5%	1/4W	
R746	1-249-433-11	CARBON	22K	5%	1/4W	
R747	1-249-433-11	CARBON	22K	5%	1/4W	
R748	1-249-417-11	CARBON	1K	5%	1/4W	
R749	1-249-417-11	CARBON	1K	5%	1/4W	
R750	1-249-430-11	CARBON	12K	5%	1/4W	
R751	1-249-430-11	CARBON	12K	5%	1/4W	
R752	1-249-433-11	CARBON	22K	5%	1/4W	
R753	1-249-433-11	CARBON	22K	5%	1/4W	
R754	1-249-433-11	CARBON	22K	5%	1/4W	
R755	1-249-433-11	CARBON	22K	5%	1/4W	
R756	1-249-433-11	CARBON	22K	5%	1/4W	
R757	1-249-433-11	CARBON	22K	5%	1/4W	
R758	1-249-433-11	CARBON	22K	5%	1/4W	
R759	1-249-441-11	CARBON	100K	5%	1/4W	
R760	1-249-429-11	CARBON	10K	5%	1/4W	
R761	1-249-413-11	CARBON	470	5%	1/4W	
R762	1-249-413-11	CARBON	470	5%	1/4W	
R763	1-249-413-11	CARBON	470	5%	1/4W	
R764	1-249-413-11	CARBON	470	5%	1/4W	
R765	1-249-409-11	CARBON	220	5%	1/4W	
R766	1-249-413-11	CARBON	470	5%	1/4W	
R767	1-249-410-11	CARBON	270	5%	1/4W	
R768	1-249-417-11	CARBON	1K	5%	1/4W	
R769	1-249-417-11	CARBON	1K	5%	1/4W	
R770	1-249-432-11	CARBON	18K	5%	1/4W	
R771	1-249-430-11	CARBON	12K	5%	1/4W	
R772	1-249-433-11	CARBON	22K	5%	1/4W	
R773	1-249-422-11	CARBON	2.7K	5%	1/4W	
R774	1-247-903-00	CARBON	1M	5%	1/4W	
R775	1-249-433-11	CARBON	22K	5%	1/4W	
R776	1-249-429-11	CARBON	10K	5%	1/4W	
R777	1-249-426-11	CARBON	5.6K	5%	1/4W	
R778	1-249-430-11	CARBON	12K	5%	1/4W	

Ref.No.	Part No.	Description				
R779	1-249-433-11	CARBON	22K	5%	1/4W	
R780	1-249-431-11	CARBON	15K	5%	1/4W	
R781	1-249-430-11	CARBON	12K	5%	1/4W	
R782	1-249-426-11	CARBON	5.6K	5%	1/4W	
R783	1-249-429-11	CARBON	10K	5%	1/4W	
R784	1-249-433-11	CARBON	22K	5%	1/4W	
R785	1-249-431-11	CARBON	15K	5%	1/4W	
R786	1-249-433-11	CARBON	22K	5%	1/4W	
R787	1-249-458-11	CARBON	8.2	5%	1/4W	
R788	1-247-747-11	CARBON	470	5%	1/2W	
R789	1-249-429-11	CARBON	10K	5%	1/4W	
R790	1-247-694-11	CARBON	33	5%	1/4W	
R795	1-247-901-11	CARBON	820K	5%	1/4W	
R799	1-247-747-11	CARBON	470	5%	1/2W	
R801	1-247-713-11	CARBON	1K	5%	1/4W	
R802	1-247-721-11	CARBON	4.7K	5%	1/4W	
R803	1-249-437-11	CARBON	47K	5%	1/4W	
R804 ⚠	1-212-861-11	FUSIBLE	15	5%	1/4W	F
R901	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R902	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R903	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R904	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R905	1-216-224-00	METAL GLAZE	12K	5%	1/8W	
R906	1-216-217-00	METAL GLAZE	6.2K	5%	1/8W	
R907	1-216-242-00	METAL GLAZE	68K	5%	1/8W	
R908	1-216-246-00	METAL GLAZE	100K	5%	1/8W	
R909	1-216-246-00	METAL GLAZE	100K	5%	1/8W	
R910	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R911	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R912	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R913	1-216-150-00	METAL GLAZE	10	5%	1/8W	
R914	1-216-150-00	METAL GLAZE	10	5%	1/8W	
R915	1-216-150-00	METAL GLAZE	10	5%	1/8W	
RV101	1-224-251-XX	RES, ADJ, METAL GLAZE 4.7K(PB LEVEL L)				
RV102	1-224-251-XX	RES, ADJ, METAL GLAZE 4.7K(REC LEVEL L)				
RV103	1-237-459-21	RES, ADJ, CARBON 10K (LEVEL METER L)				
RV201	1-224-251-XX	RES, ADJ, METAL GLAZE 4.7K(PB LEVEL R)				
RV202	1-224-251-XX	RES, ADJ, METAL GLAZE 4.7K(REC LEVEL R)				
RV203	1-237-459-21	RES, ADJ, CARBON 10K (LEVEL METER R)				
RV501	1-230-344-11	RES, VAR, CARBON 20K/20K (REC LEVEL)				
RV502	1-237-389-11	RES, VAR, CARBON 5K/5K (CALIBRATION REC LEVEL)				
RV503	1-237-388-11	RES, VAR, CARBON 20K/20K (PHONE LEVEL)				
RV504	1-226-560-00	RES, VAR, CARBON 5K (CALIBRATION BIAS)				
RV505	1-237-456-11	RES, ADJ, CARBON 1K (NORMAL BIAS I)				

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
RV506	1-237-455-11	RES, ADJ, CARBON 500(NORMAL BIAS IV)
RV701	1-228-990-00	RES, ADJ, CARBON 1K (FWD TORQUE)
RY501	1-515-614-11	RELAY (LINE MUTE)
S501	1-554-338-00	SWITCH, LEVER SLIDE (MONITOR)
S502	1-571-092-11	SWITCH, PUSH (4 KEY) (DOLBY NR,MPX FILTER)
S701	1-554-303-21	SWITCH, KEY BOARD (■)
S702	1-554-303-21	SWITCH, KEY BOARD (◀◀)
S703	1-554-303-21	SWITCH, KEY BOARD (▶▶)
S704	1-554-303-21	SWITCH, KEY BOARD (REC●)
S705	1-554-303-21	SWITCH, KEY BOARD (▶)
S706	1-554-303-21	SWITCH, KEY BOARD (PAUSE▮▮)
S707	1-554-303-21	SWITCH, KEY BOARD (REC MUTE)
S708	1-554-303-21	SWITCH, KEY BOARD (COUNTER RESET)
S709	1-554-303-21	SWITCH, KEY BOARD (COUNTER MEMORY)
S710	1-516-781-XX	SWITCH, ROTARY (TIMER)
S801 ⚠	1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY)
S802 ⚠	1-570-307-11	(E)...SWITCH, VOLTAGE CHANGE
S1001	1-554-205-00	SWITCH, PUSH (ERASE PROOF)
S1002	1-554-205-00	SWITCH, PUSH (HALF DET)
S1003	1-554-205-00	SWITCH, PUSH (LOCK DET)
S1004	1-554-205-00	SWITCH, PUSH (METAL)
S1005	1-554-205-00	SWITCH, PUSH (CrO2)
TH501	1-800-200-00	THERMISTOR S-3K
THP501 ⚠	1-202-856-00	SOLID 22 1/4W F
X701	1-567-160-00	OSCILLATOR, CERAMIC (4.19MHz)
X702	1-527-532-00	OSCILLATOR, CERAMIC (400kHz)
X703	1-567-731-11	VIBRATOR, CRYSTAL (10.5MHz)

ACCESSORY & PACKING MATERIAL

1-465-104-11	(UK)...REMOTE COMMANDER (RM-J600)
1-551-734-11	CORD, CONNECTION (RK-74A)
*3-318-684-01	CUSHION
*3-350-429-01	(US,Canadian,AEP)...INDIVIDUAL CARTON
*3-350-429-11	(E).....INDIVIDUAL CARTON
*3-350-437-01	(UK).....INDIVIDUAL CARTON
3-701-630-00	BAG, POLYETHYLENE
3-703-450-01	(US)...INSTRUCTION
3-786-746-21	(US,Canadian,UK,E)...MANUAL, INSTRUCTION
3-786-746-41	(AEP).....MANUAL, INSTRUCTION
3-786-746-51	(Canadian,AEP).....MANUAL, INSTRUCTION
3-793-481-13	INSTRUCTION
4-384-285-01	(UK)...COVER, BATTERY
4-820-330-31	(EXCEPT UK)...SCREW, BW, PLUS MINUS

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	**Note:** Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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